

Numbers & Oddities
a.k.a. The Spooks Newsletter

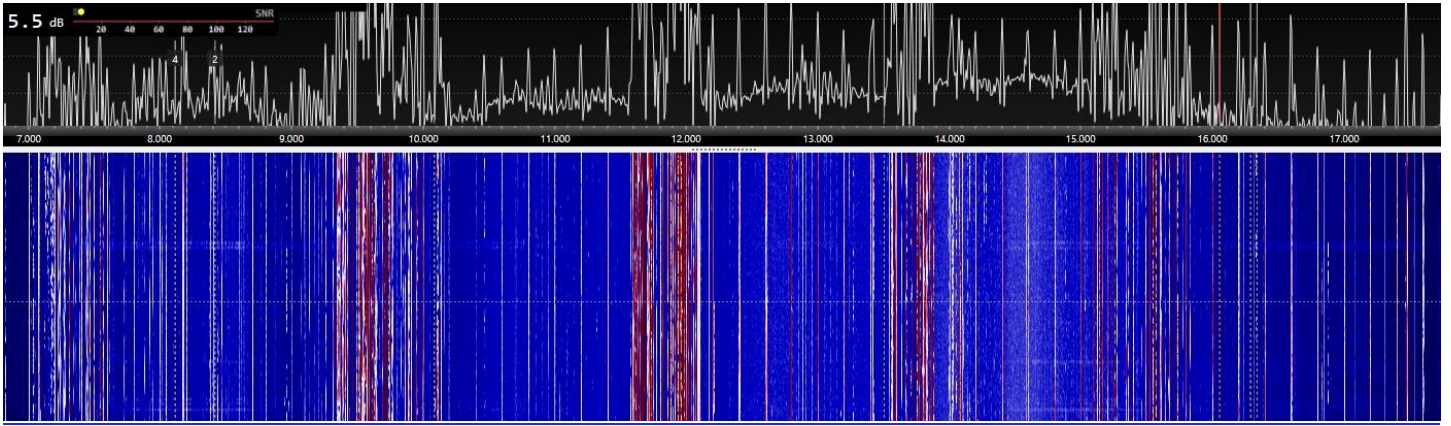
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Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

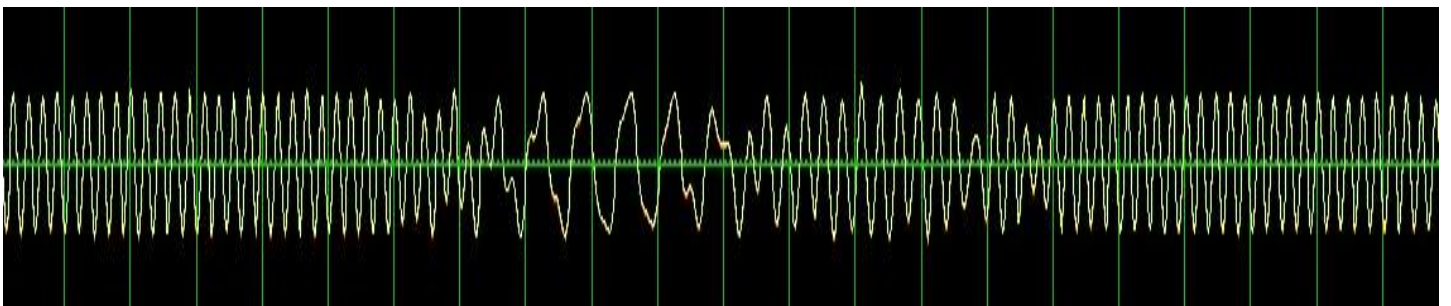


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FOREWORD

Welcome to the 324th edition of Numbers & Oddities. Noteworthy are the long XPA2 tests that took place from September 11 to 22, and the return of Salut (see M23).

I'd like to thank the Priyom crew for all the recordings and logs collected during my vacation. I appreciate that very much, ladies and gentlemen

VOICE STATIONS

E06

14370/16265 kHz, 05-09/06-09, 0500/0600 UTC

354 297 60

95711 59134 26025 85694 78583 98177 30894 87065 50235 99440
46265 79418 40547 49115 62055 79739 70411 46651 25495 49071
44423 86981 45988 83128 59692 23307 02789 19474 85451 83884
22710 94783 93146 41263 20034 13156 41716 57392 15816 11385
47726 53053 78771 32149 95043 75033 54935 41044 63786 59508
78274 48408 83149 15035 79446 21859 37880 73625 34889 00500
297 60 00000

14370/16265 kHz, 19-09/20-09, 0500/0600 UTC

354 281 60

92336 35157 98342 19456 75010 47120 28349 06691 28244 54598
51126 41548 77594 27755 04282 21034 27844 64484 22277 17430
15276 95602 81146 95655 63195 06159 23788 33453 51595 27542
39251 11591 36928 80078 94467 66273 82911 70801 41868 20948
88300 76087 51304 39693 22582 63844 39730 69372 05502 34936
97079 62752 91391 88529 31766 99757 44207 41061 84245 49064
297 60 00000

E07

17452/16272/14875 kHz, 1500/1520/1540 UTC

17452/16272/14875 kHz, 03-09/06-09, 1500/1520/1540 UTC

428 428 428 1 147 99 147 99

51687 04112 75140 65220 89154 42337 93522 09131 79978 47291
83814 55642 73414 92815 79181 82942 82044 51602 56428 52610
56064 19035 62788 97639 57769 14138 29496 67778 52853 90273
39960 06409 46939 42754 55025 20127 45933 97395 80537 31851
13152 47496 74659 80014 41677 00025 97771 39072 87390 05702
38418 37712 99134 90570 14942 83552 23386 86320 10842 02386
02985 04232 10695 97430 21970 20349 95575 83293 05351 35140
13105 88007 42178 10395 91124 47476 45564 03890 31221 29059
70215 31113 85124 84906 84908 35711 50274 07125 31034 04883
62225 62937 02916 63287 12824 13149 27749 81403 19214 000 000

17452/16272/14875 kHz, 17-09/20-09, 1500/1520/1540 UTC

428 1 249 169

11992 65828 94219 77123 01449 61525 37145 48751 33005 47451
54757 58105 31111 31541 78845 30471 56365 69397 06246 55619
45809 04247 02456 60519 03282 28438 15106 82373 79666 06060
68685 32538 35395 69245 51684 83530 59750 46952 59166 54990
34697 00483 50680 58220 15667 99822 46400 35224 32313 26909
44999 18872 66251 30122 40371 57420 77041 60780 50685 58970
47434 23710 06327 76377 15701 04999 16245 29230 34897 31361
69104 49485 32440 36854 26059 11429 70464 26116 12847 23882
23220 00067 76114 45641 11380 95527 93124 67684 30390 73682

84092 07748 51893 73962 06354 13094 83494 95965 54188 04189
15831 41943 21241 75354 97483 82900 81944 23245 06062 05444
37448 67978 80682 79952 44250 52734 86220 15053 82545 63335
95816 61072 48336 51988 09360 70898 17918 20707 88785 74825
06690 82550 03702 22115 52231 86548 82404 19431 91942 98124
04521 60977 50704 57274 38794 20834 02983 08672 26006 56866
89643 48178 12240 84393 68552 85882 74322 06464 61247 04638
57589 20860 10490 71484 49055 63671 06622 93140 05211 000 000

16228/15928/14928 kHz, 1410/1430/1450 UTC

16228/15928/14928 kHz, 12-09, 1410/1430/1450 UTC

594 594 594 1 6358 93 6358 93
60874 13643 07483 35881 01497 55172 80534 36967 64828 65601
73930 60026 44675 14749 78279 64030 36344 96510 30258 47590
26392 30736 96492 75884 20783 60051 35051 94166 53504 69019
06029 32022 19062 71152 35943 91129 29256 32628 56077 50035
76231 56629 98744 44822 22122 95113 79860 55998 45802 74194
29354 42401 42302 61567 65563 62058 39050 43598 13963 10729
74550 64541 71815 61432 62965 78145 16579 23893 87183 54152
13201 79904 44052 82293 03166 37440 47310 95571 85232 73463
44180 41296 56916 60388 88277 51794 99476 81854 45104 94318
72218 92818 86922 000 000

16228/15928/14928 kHz, 26-09/28-09, 1410/1430/1450 UTC

594 594 594 1 557 145 557 145
06993 12737 82932 14773 30741 90722 68713 73954 78998 57128
94529 72869 73728 87509 32745 19502 54764 29720 23982 15907
00814 03029 00902 19426 12016 62249 10724 71990 89558 52856
23188 87053 44895 18533 09666 00234 72741 66551 94024 59244
70447 33464 29667 43446 59693 16300 52689 68366 76409 50131
01770 48658 69873 00660 86791 24867 73505 58521 09420 93252
40060 16913 92148 71575 73686 60489 49307 45756 80836 90873
92573 05600 63785 89880 53109 07310 70670 83393 83521 63596
14831 44525 13190 10693 89230 13987 77195 27041 70608 15222
80348 99816 34643 02717 49601 15424 13627 54801 24994 41862
20846 30235 08283 36043 19156 46448 71402 57221 23649 44720
24984 17793 15103 58245 83223 50671 61413 81659 94040 30605
77660 18213 17825 10730 37297 95511 88108 71423 83210 13700
92004 46673 70023 30747 02817 57108 98551 82578 99841 63743
73863 33655 13364 43515 86199 000 000

E11a

12385 kHz, 01-02/04-09, 1045 UTC

693/29 Attention
61006 99066 91585 13170 28346 90358 29582 02341 83238 91870
91231 72355 57347 50685 85363 17612 01480 84274 24009 54480
29289 29331 60639 56242 61772 24112 16111 90767 50711
Attention (message repeated) Out

12385 kHz, 02-09, 0450 UTC

12385 kHz, 05-09, 1730 UTC

414/32 Attention
81627 21391 65283 25509 24813 07237 81199 78217 74959 33503
66258 03185 76197 03764 49682 77204 35271 74838 14141 95895
84638 53890 89781 28167 44024 11950 06936 00811 17579 38888
93215 09429
Attention (message repeated) Out

5176 kHz, 03-09/08-09, 1605 UTC

233/39 Attention

65034 25553 94463 11496 41826 00694 60147 56750 04247 86367
51395 48174 28921 02792 60078 95322 33619 04015 29757 38666
05005 76830 47112 51572 24143 11820 13293 65288 97980 78356
18948 17029 93838 53206 89495 72221 88791 22565 37550

Attention (message repeated) Out

19184 kHz, 03-09/04-09, 0820 UTC

138/38 Attention

95277 63348 91299 01362 84725 14996 88110 13036 70087 94839
64701 93674 44483 52901 13427 21740 15164 56820 67094 64076
09543 30039 75315 23806 70554 03628 11736 65533 04663 62388
97176 54774 44388 46523 14173 49067 58737 09067

Attention (message repeated) Out

17410 kHz, 04-09/06-09, 0745 UTC

343/40 Attention

89469 04128 96893 61540 20858 51582 55777 08319 62948 76792
41954 99506 54567 88475 17133 51412 55862 62233 03199 72311
38505 48464 90999 66971 69641 45261 93786 88694 81505 21759
62689 60274 83081 88816 99231 56554 16403 43087 43978 06453

Attention (message repeated) Out

8530 kHz, 06-09/08-09, 1910 UTC

616/37 Attention

94199 82295 48965 94270 12047 67216 05630 08188 43939 97613
38969 41799 61658 94415 48386 62944 99707 84867 44587 64666
07832 15979 51783 96951 41005 97344 84533 25130 29673 74508
06500 71186 63050 63970 40195 99480 81996

Attention (message repeated) Out

4505 kHz, 07-09/08-09, 1645 UTC

364/35 Attention

88947 51743 15073 47990 09547 59850 36866 52615 25630 93998
43501 98519 52581 77612 34167 92334 71739 78168 41296 20899
25618 73661 20105 80289 72085 47390 21559 38471 53106 90730
91045 25559 32321 65404 22607

Attention (message repeated) Out

19515 kHz, 09-09/11-09, 0715 UTC

753/35 Attention

74337 45594 95788 62855 16003 74255 57390 78412 58094 85139
07769 16996 07262 59566 94212 91163 06513 48844 89888 46369
18884 44323 54361 70422 04534 23604 18023 12099 96363 72178
37858 66892 35921 72639 97261

Attention (message repeated) Out

10213 kHz, 09-09, 0745 UTC

10330 kHz, 12-09, 1530 UTC

267/38 Attention

76481 11442 58895 83624 48212 85051 18837 60183 10291 58605
03708 42561 44834 22869 77958 72693 85456 30646 01187 74720
07511 47142 52612 49428 06848 63301 84119 74439 45916 71651
83377 93760 79279 25811 99737 22423 40423 23639

Attention (message repeated) Out

20170 kHz, 09-09/13-09, 0830 UTC

185/27 Attention

16027 59928 43428 68401 67255 87189 03065 87109 34777 50129
52731 61965 14182 29091 05053 74038 70740 67577 34687 91520
58620 99604 40195 40820 92794 23373 15283

Attention (message repeated) Out

12202 kHz, 09-09/11-09, 0845 UTC

716/36 Attention

17929 16203 29205 51062 12702 02943 32784 40145 75145 42322
70826 75137 63273 17793 13547 16124 56819 35890 07078 19390
75712 91990 67995 21727 64840 83351 26748 41365 22270 11325
28938 33849 09956 54263 57760 13954

Attention (message repeated) Out

7317 kHz, 09-09/12-09, 1900 UTC

649/40 Attention

49237 68804 45668 65808 63893 59746 18549 44845 69803 72200
55476 63694 12248 72636 37239 37607 38665 64919 53770 14755
16075 52186 70152 37530 47779 91836 01243 03548 00740 86520
64324 74706 30652 09580 44906 98011 99457 90076 55812 44793

Attention (message repeated) Out

14865 kHz, 10-09/12-09, 0745 UTC

220/35 Attention

39509 51951 46961 48246 03455 94771 39751 98335 97707 85127
05488 16014 15865 81897 65106 11387 86938 56120 81131 10320
36807 48897 71348 29828 51583 35340 44574 85186 25059 37915
38713 26974 75484 41733 37772

Attention (message repeated) Out

9951 kHz, 10-09/13-09, 1000 UTC

300/25 Attention

26350 64463 87954 78367 60709 72326 65442 67401 59101 73772
34459 18507 51053 47277 28821 17576 67569 96195 54062 48585
78886 68437 73131 24214 28291

Attention (message repeated) Out

6923 kHz, 11-09/13-09, 1715 UTC

977/32 Attention

83685 90900 04888 37014 97979 37329 16281 57381 12632 70664
56355 85237 62619 89617 69411 36569 65514 15515 46370 30883
25104 20666 34568 38038 10652 56014 92685 42710 90306 87955
25276 77185

Attention (message repeated) Out

19515 kHz, 16-09/18-09, 0600 UTC

941/39 Attention

58672 09649 20691 89026 68894 59821 96670 30122 36044 35901
13102 22337 20436 89396 61665 12561 73102 34035 60207 30605
79209 75959 47015 99718 27729 47381 27458 98478 68946 43384
26069 42891 51110 11485 23349 00131 17713 59282 18852

Attention (message repeated) Out

13117 kHz, 16-09/18-09, 0900 UTC

535/31 Attention

24741 33650 41565 37848 88225 77685 13784 00712 29984 75746
36829 30955 12570 65685 26292 92545 67702 54933 39437 77013
29240 34561 78989 25680 43294 44606 96308 16395 71486 91800
30844

Attention (message repeated) Out

13470 kHz, 16-09/22-09, 1745 UTC

245/40 Attention

93641 64929 64581 46061 39501 07109 19907 95734 50392 27590
18949 09085 07486 60618 81433 52001 17630 84173 91295 41594
24263 08907 10711 06203 48204 16187 42222 43446 75497 38713
79186 30815 45084 50198 84672 29045 41438 15979 27563 07558

Attention (message repeated) Out

8423 kHz, 17-09/19-09, 0645 UTC

515/35 Attention

75952 66482 87965 39884 31405 06786 34215 38754 78719 25805
00756 43932 38348 88093 54292 27001 90023 34716 81153 86419
75783 49022 61532 60638 12467 19542 89935 72476 49896 42432
94840 21094 88181 98920 02733
Attention (message repeated) Out

12530 kHz, 17-09, 1230 UTC

338/34 Attention

11374 92481 25496 81789 60782 98229 03380 86758 11006 59401
80993 96916 81151 05202 71893 69803 89744 15999 76568 58241
21146 68928 90453 38501 76765 63196 39574 71836 00210 02278
04551 09786 80024 83525
Attention (message repeated) Out

6940 kHz, 18-09/19-09, 0930 UTC

276/34 Attention

45505 36899 18567 15731 79457 32337 30653 68180 94212 52502
58045 04284 34451 50946 93423 04344 65433 40332 45332 48132
77081 15107 02179 00726 59632 03983 62512 15550 30789 42904
35339 75608 01433 71951
Attention (message repeated) Out

6940 kHz, 19-09, 0930 UTC

267/34 Attention

45505 36899 18567 15731 79457 32337 30653 68180 94212 52502
58045 04284 34451 50946 93423 04344 65433 40332 45332 48132
77081 15107 02179 00726 59632 03983 62512 15550 30789 42904
35339 75608 01433 71951
Attention (message repeated) Out

4181 kHz, 21-09, 1610 UTC

396/34 Attention

21636 81381 53980 68026 79407 83875 59474 15909 68026 05666
86257 47473 73171 61571 87013 09356 88027 27833 92026 78120
71704 29612 29500 80946 48129 21235 01652 78821 67400 11816
07691 58004 10128 34549
Attention (message repeated) Out

8680 kHz, 20-09/22-09, 0600 UTC

353/30 Attention

56520 84578 13065 24159 49982 43903 11370 05596 75105 36609
04670 13805 65757 85162 52324 79476 93231 40202 02750 89682
94100 20675 29751 76478 12577 36072 91361 82126 70122 86860
Attention (message repeated) Out

11420 kHz, 23-09/25-09, 0315 UTC

259/33 Attention

39862 10376 71192 94188 97798 95244 17715 10622 50357 63445
46510 78855 55765 35798 58288 84448 10702 61837 18391 74022
09099 67271 59937 29353 61963 62956 19843 48004 82122 31992
14902 59209 56294
Attention (message repeated) Out

5371 kHz, 23-09, 1300 UTC

316/37 Attention

47626 13836 51340 64992 00553 64711 83272 61874 63657 92440
43354 61942 42285 54688 10876 61844 36336 60834 22586 23459
98524 06509 44337 95762 47552 44312 69372 20018 68305 39127
98260 00471 15890 43367 98973 12178 12242
Attention (message repeated) Out

8180 kHz, 24-09/27-09, 0700 UTC

570/38 Attention

47625 50229 61619 28761 13460 35387 40177 88514 92310 33274
01699 34698 31201 57851 50574 83258 46258 48096 02089 72890
80956 44780 60247 17893 63060 54225 37746 98385 80345 11148
09847 55760 02430 53652 10485 79073 24819 68853

Attention (message repeated) Out

15720 kHz, 24-09/27-09, 0715 UTC

633/38 Attention

44314 32472 69779 00968 81040 64613 91248 46626 72547 96721
13090 67387 92155 32554 47528 06066 67866 10363 64367 13501
59387 76985 73192 59183 09129 47932 51528 65324 44651 96626
73464 40682 07017 16516 39025 96952 08310 58247

Attention (message repeated) Out

18168 kHz, 24-09/26-09, 0845 UTC

156/27 Attention

30778 67098 58582 19263 62663 48315 31906 00550 80676 66132
16346 06003 01411 35034 44113 89744 59292 64337 14930 34513
25411 04095 25368 42554 76300 86415 21305

Attention (message repeated) Out

9399 kHz, 24-09/25-09, 1205 UTC

469/33 Attention

82597 55596 22085 30380 28557 41432 43878 78501 67824 76274
32446 20859 91091 35716 10403 47473 30631 07282 34738 83104
03068 47031 41509 84079 87063 35169 85763 73951 84817 33136
02318 16432 62550

Attention (message repeated) Out

14972 kHz, 24-09/28-09, 1430 UTC

912/32 Attention

57186 77358 00607 17988 53346 84589 40633 37992 07837 36301
03351 39303 55607 12148 08409 96574 27444 61276 60360 90185
05569 93222 33661 05274 08907 96084 53305 04802 59802 57734
78912 87405

Attention (message repeated) Out

6807 kHz, 26-09/27-09, 0820 UTC

432/31 Attention

70545 44702 92592 43482 92999 17500 65062 14091 83747 14303
48177 47705 77658 08365 49825 80598 42772 60635 13559 83051
12273 21562 64261 87965 72485 76950 15475 55264 70923 67545
38194

Attention (message repeated) Out

5737 kHz, 26-09/29-09, 2000 UTC

521/32 Attention

85838 65948 21862 97999 02649 65408 81453 20849 65136 63582
54511 10790 72273 31618 27400 43973 67742 84347 30439 70269
00199 95206 43048 13766 22387 96528 16620 54959 88667 35430
72651 16085

Attention (message repeated) Out

11116 kHz, 27-09/29-09, 1815 UTC

920/36 Attention

61219 29941 80006 55483 61705 08440 04594 25762 02455 20681
70651 12228 90721 43595 11256 34384 88023 41378 43790 50338
46140 35586 62916 41445 99872 39617 67219 07712 58152 38919
57278 37752 18606 51590 31056 41623

Attention (message repeated) Out

9079 kHz, 28-09/29-09, 0700 UTC

497/36 Attention

46234 14176 73206 56367 67890 32279 15348 27494 72485 93241
97572 18062 12299 53748 52630 49344 12571 46153 02468 28273
99020 24104 94914 32169 89508 22054 26872 26982 02915 51749
77740 93181 32916 61965 95963 10442
Attention (message repeated) Out

S06

11616/9322 kHz, 02-09/03-09, 0400/0420 UTC

480 935 60

14608 42927 35324 25344 10867 16808 69102 23450 84088 79465
80679 50394 52285 28760 73279 66998 18089 45393 63194 93569
52234 04120 04534 77390 49809 48708 32825 54461 57686 22874
88388 10163 96588 74345 05453 68529 26218 74269 77910 64829
26894 19134 37688 81127 96124 07397 06641 49528 83564 08011
07924 52778 12787 63028 47775 76921 63303 91479 03642 95692
935 60 00000

11616/9322 kHz, 04-09/05-09, 0400/0420 UTC

480 761 24

78817 41267 76557 94605 49799 60303 59483 83408 41935 47825
62444 80743 20046 89623 97868 41098 93369 90848 61304 66223
65654 20217 21217 97826
761 24
480 529 34
49025 72386 52956 57543 28858 50679 27860 88225 57907 48232
47760 01430 57575 40490 07044 29907 70691 11978 55261 31046
07423 04632 32541 32721 18251 01390 81284 60482 73668 43469
26305 07030 55318 04777
529 34 00000

11616/9322 kHz, 09-09, 0400/0420 UTC

480 613 57

95437 09054 63702 70305 97667 69051 37915 62379 12604 64121
53003 25477 11201 96767 35136 33681 55060 05924 08645 31962
60603 06594 87982 64733 85622 41315 28772 99821 92862 16864
05113 83786 70360 24667 05359 89514 13198 68328 63526 42050
96370 46733 68546 33575 93461 66149 18525 63492 20799 79770
12224 64543 11789 78142 94921 00896 51116
613 57 00000

S11a

23004 kHz, 02-09/04-09, 0510 UTC

654/35 Vnimanaye

73769 00755 36306 35264 01984 77733 51030 12390 51798 45163
00147 74425 64490 39027 88042 13689 50649 72347 04802 77786
80637 47407 26847 76461 02527 15583 89521 11252 52717 78842
31132 74248 86762 22464 63811
Vnimanaye (message repeated) Konets

10728 kHz, 03-09/05-09, 0445 UTC

798/38 Vnimanaye

99975 22679 19191 43701 34254 25738 87316 22676 28896 07601
87113 01596 32668 29365 70786 10818 34621 46784 39545 19982
79596 61146 34527 25089 92456 97897 60215 01546 84669 67134
91530 03243 39611 28553 13417 32739 75828 98606
Vnimanaye (message repeated) Out

11420 kHz, 10-09/13-09, 1400 UTC

424/37 Vnimanije

78873 05747 63189 82390 39062 22762 55780 09328 40720 95477
76197 78119 38747 40917 28055 38917 39020 59833 04808 66995
78543 36264 15317 44342 76223 54686 66780 45647 90126 14441
69433 69837 31703 86236 30694 73104 86704

Vnimanije (message repeated) Konets

21854 kHz, 11-09, 0725 UTC

381/31 Vnimanije

15237 32680 74527 61895 51533 51789 67508 09014 33349 40192
68723 69664 39692 22331 94552 06141 05907 74912 63421 26880
90594 46756 98456 19557 85466 09317 81209 98751 62246 73188
28675

Vnimanije (message repeated) Konets

6433 kHz, 14-09/15-09, 0830 UTC

373/39 Vnimanije

02269 24653 19957 97333 85174 72121 33613 01462 60889 66264
16520 31290 12347 66043 23207 50394 80532 37949 82341 37997
43827 23662 49159 52336 43459 95753 84857 38353 66347 95508
03479 34276 99081 74412 35129 86974 21565 90197 07387

Vnimanije (message repeated) Konets

10213 kHz, 18-09/21-09, 1850 UTC

281/33 Vnimanije

57791 26675 39154 35132 04223 74662 85069 44268 25800 11910
82634 05415 48050 69962 85944 76304 81195 15028 52273 71682
49077 23456 90652 11851 93024 48524 53788 78911 36680 88509
39427 28963 93228

Vnimanije (message repeated) Konets

8597 kHz, 23-09/26-09, 0700 UTC

477/40 Vnimanije

84768 89289 41041 65368 91807 60618 96761 15384 75768 80274
94753 89532 46776 60765 27256 60951 81934 95321 33763 73462
12159 44817 58930 13724 40826 47094 24575 98026 00960 07908
24432 08542 98811 01423 00712 80128 51381 47591 12096 30158

Vnimanije (message repeated) Konets

6480 kHz, 23-09/27-09, 0915 UTC

486/36 Vnimanije

22921 72646 76965 88527 13028 49219 04382 49561 12650 97785
96961 46609 42949 32379 04307 62520 96363 95935 31961 25783
91921 95023 98434 89154 88993 02084 16960 15792 06780 90985
67631 90772 50405 48869 94316 31187

Vnimanije (message repeated) Konets

V07**17431 kHz, 08-09, 0200 UTC**

414 414 414 1 498 101 498 101

70736 63056 76266 93515 92088 56324 94488 57279 51882 98601
40707 01887 13871 06594 24831 53094 19865 71085 85232 33692
16191 73083 02799 92580 70758 20331 26275 08089 79680 22405
45836 48096 97340 16776 23539 70056 36296 12916 26884 18612
68136 45974 29928 50250 62984 59802 78994 10864 84369 28008
36824 51792 54570 79326 32889 00760 41798 33637 83651 68000
89025 57515 07474 46999 79303 90044 00927 90249 36091 65505
59346 77077 33471 89799 86691 11584 02357 33207 17556 87979
01981 11387 38692 51709 16766 23536 15879 52158 81302 46719
46137 32239 29994 75799 15427 12008 49907 40815 16879 03410
49243 000 000

17431 kHz, 15-09, 0200 UTC

414 414 414 1 1028 82 1028 82
 34306 72801 09589 80135 15766 99713 45507 87928 03725 77845
 67917 87201 24094 61363 55749 58490 31823 14967 68789 15324
 67804 22338 27949 25154 19396 62603 65140 73860 96934 40485
 26612 92052 28121 87842 08260 11852 11672 95850 98403 72752
 12614 37060 02378 53182 51704 51065 09145 89191 49885 48528
 57787 89078 36760 70951 26774 91683 89151 89167 70826 38492
 48652 99096 54979 18262 25741 89758 63940 12896 48003 18393
 09423 73446 16332 88781 64243 21667 06173 02985 84520 42034
 29882 67409 000 000

17431 kHz, 22-09, 0200 UTC

414 414 414 1 327 115 327 115
 94984 51524 55198 33153 75595 45141 92873 84204 59321 01460
 78099 35717 67326 99220 61085 80372 56267 49070 68436 85600
 22287 07492 78070 82606 40822 72831 76149 62784 63749 36356
 34802 00350 71003 42391 86399 90199 16673 89043 21038 49466
 40852 19963 60256 37475 04572 52797 99924 21235 28934 01570
 30828 65760 55392 15264 68590 81031 67445 66562 16034 57886
 09876 38488 95048 66896 14155 75341 25463 14098 56869 45091
 02873 10821 26033 83722 77130 88445 64310 62756 34408 58204
 47557 06758 38422 63509 69250 59147 84799 41123 77161 31599
 42104 18944 97087 41425 45195 36388 67273 48237 07390 89761
 18083 60105 79569 73531 21000 14037 37155 75789 10488 05579
 10596 47458 41906 19653 79152 000 000

14431 kHz, 29-09, 0240 UTC

414 414 414 1 2394 123 23 94 123
 33855 91895 07358 60988 72882 22489 07269 07747 33910 00980
 21286 64829 89317 99166 24123 11014 65405 20635 27067 60243
 30543 59717 18537 72641 57940 51769 31869 78657 66489 16740
 58910 54657 26291 98607 48690 56592 48116 96352 34574 69400
 49429 83428 80399 23316 47186 51067 43470 62275 60132 54754
 37071 45739 16176 75035 19970 13652 99694 74244 04739 03388
 62742 71477 19374 23397 66813 44578 82742 00825 68848 19343
 93440 96065 41483 70845 96675 53431 72181 04404 72512 41900
 34487 75482 63255 50731 75522 89464 52513 55756 63032 91320
 21844 77634 35585 74207 22817 41728 16712 16821 79955 11055
 44087 18020 54410 72860 29139 33155 11062 88200 79099 71004
 75295 65823 01728 13382 54466 37610 19931 07988 18079 52219
 53952 47910 19464 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

This month we also received an extensive and interesting report from FSpY, for which I am grateful.

So, for the past few months (or at least since I started monitoring in December of last year) V13 has been using a pretty straightforward, standardized format. Three messages per broadcast for three different units, usually around 15 minutes long, 30-35 groups per message sent in a hybrid of AM and USB with USB being stronger.

Well, for a bit over a month now, station 1 has reverted back to an older broadcast format. The messages are now being sent in AM mode and are addressed to 5 or 6 units, and the group counts are more varied. Moreover, the messages are repeated for longer periods of time. All four of the other stations are still following standard format and swapping out for new messages every Sunday at midnight GMT. Station 1 played the same message for 3 weeks before finally swapping it out for a new one.

Another notable observation: With the change in format for station 1, you can hear a slight hum/buzz every other number group, and there's a bit of a buzz at the end of every broadcast. It makes me wonder if they're using an analog or film based voice generator instead of a computer.

Last but not least, why the change in format? I am INCREDIBLY curious. My first assumption is that station 1 is now sending very important information that can't be missed, or that there has been a change in an important mission.

20025 kHz, 02-09, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 3650, 5669, 6418

Group Counts: 34, 34, 34

3796 4507 1984 4453 6004 3907 9691 8497 9108 2592
1844 2884 8175 0965 2605 7384 6267 6998 4420 0281
7829 0464 4345 8855 1858 6877 9251 7075 1329 3850
4382 8054 7473 0152

9870 7635 1146 8396 2439 4445 9667 9630 0145 5239
2313 9825 7926 7252 3203 2495 8358 0382 0628 1557
2851 9096 4843 5668 6503 5129 4753 5293 2667 7584
9142 2776 1112 2475

5295 3434 2439 0907 0967 6831 5405 6791 3281 0279
3186 4446 7700 3004 8124 3058 6771 9142 5981 3902
6266 0909 0931 2010 4887 6156 3546 0161 1811 9888
9138 6314 1911 0636

18040 kHz, 02-09, 0130 UTC. New Star Broadcasting. Station 3

Unit IDs: 6409, 7849, 8893

Group Counts: 31, 34, 33

5887 6374 6765 0383 0536 5991 2731 3818 6440 1078
8655 7792 4331 3899 0183 0784 9804 0756 0755 7975
4822 4083 4558 3909 7498 1383 8783 0161 5064 2114
9632

9347 6097 7181 1660 9814 4889 7374 0249 2356 5549
8978 4091 9049 5234 4840 5415 8504 1423 4884 8123
2439 1337 8580 0656 1462 1258 5291 9309 4947 6419
4463 8703 9828 4120

7065 5896 6231 7740 4004 4450 6406 4199 7244 3360
9631 3001 3804 9267 8781 0353 9829 5039 0672 0428
9870 2449 8343 0943 4248 2973 1871 6072 3976 2841
4132 3915 0403

Note: surprisingly poor quality/quiet audio for this station today.

8169 kHz, 02-09, 0200 UTC. New Star Broadcasting. Station Station 1

Unit IDs: 0307, 3114, 6998

Group Counts: 32, 31, 30

7892 7692 8645 0450 3854 4589 3991 2813 3855 1683
0019 6333 6350 5914 1151 0479 7208 3838 9090 6181
2020 6918 3608 2217 2031 6275 6060 3030 4920 0917
9069 1336

8385 6394 9811 1275 1723 0366 4612 3889 1837 3735
4884 4264 8099 3480 1747 0871 3618 3796 8902 4331
5669 0389 4645 0929 6301 9997 1136 8138 9310 2563
4309

8321 8926 1245 7053 0758 5129 3461 7127 9444 5223
6730 1435 7202 9619 5872 8464 3356 8120 0252 4295
5715 8463 9647 8642 5742 1883 5840 8298 6128 0430

Note: Extremely loud and powerful from Pingtung, Taiwan. Could the transmitter be located here?

9276 kHz, 02-09, 0330 UTC. New Star Broadcasting. Station 2

Unit IDs: 2297, 6542, 8179

Group Counts: 31, 33, 33

4343 9989 2736 3472 5693 3815 3417 9025 4775 3551
1188 5169 7018 7285 0216 1972 6783 0070 4431 1835
3174 4886 1058 5356 3213 1835 9184 0457 8513 5681
3532

5857 3293 3353 9798 4565 3201 2394 8919 2762 1477
2944 6702 0910 9847 1948 4564 9796 9994 3424 3196
3188 5822 0350 5119 0753 2601 9850 1797 7067 8352
3477 6322 2969

8386 2842 5877 0133 5799 5953 9656 5387 0001 0966
2363 2571 5165 4764 0306 7061 2379 3730 9512 7227
8531 9979 2737 6464 8137 4982 4167 6775 6670 6723
8981 5009 6897

Note: garbled talking in the background of the numbers.

03-09 note: on the 0200z time slot, station 1 (8169 USB and AM) cut off 7 minutes into the broadcast and only the carrier remained. Station 2 (8300 USB/AM) was jammed with a warble jammer! Station 1 didn't broadcast on its 0300z timeslot at 11430 USB/AM. Maybe something broke, there's only a carrier.

15890 kHz, 08-09, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 4792, 6735, 8917

Group Counts: 34, 35, 32

5535 6043 1354 1144 0205 3457 5798 5303 2725 4733
4872 7500 8101 6119 7416 1599 1514 4759 0335 1303
9566 9780 6823 5837 7119 5746 9625 5171 0222 1534
2629 1310 5115 8960

4842 6396 1744 3922 5983 9256 4886 5868 5343 6974
7702 0547 4726 5384 9471 8002 3575 5812 9389 8622
9680 2251 2978 0669 7541 2283 0096 0236 9151 4633
9694 9374 1823 9291 3292

8831 3838 4543 2845 7602 5271 1217 3095 7925 4852
7115 8045 7460 1873 1664 0922 2806 9314 0049 0916
4051 9378 7655 5903 4204 0428 9052 6683 7250 7574
4526 6387

9276 kHz, 08-09, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 1881, 5285, 6332

Group Counts: 33, 33, 30

7272 2723 8993 7816 5605 6663 2260 1341 6229 3165
1038 1000 0084 9586 3437 6547 9204 2666 1327 7295
5409 4588 6583 5915 3798 3478 1581 4021 3582 9059
4423 3528 9383

1529 7714 9971 0462 4566 8579 2736 8741 3405 5378
1345 4562 1062 2796 0586 3852 0419 5350 9652 1616
5289 2891 5393 2605 8130 5013 5365 6483 7519 3738
0656 4216 3424

1677 8266 3858 6441 2697 5438 4911 1495 2092 0202
7621 8825 7652 5203 9492 5079 3130 7461 7965 5660
0378 5651 5704 2209 0907 4015 6627 9112 3200 5381

11430 kHz, 08-09, 0330 UTC. New Star Broadcasting. Station 1

Unit IDs: 6016, 6122, 6695, 6749, 6983

Group Counts: 30, 31, 38, 30, 32

6313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 5407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817

8742 2872 7726 9763 4924 8878 8271 0202 1410 1434
5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952

5099 5732 9530 6847 3386 0076 7052 9888 7739 7494
1976 1436 9135 7841 5892 8646 6893 2878 0936 6288
2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803

0597 1065 7954 8058 3815 6119 4367 7407 4938 3412
8187 8169 1413 0934 0671 0602 1938 6728 2274 5702
2544 3658 8370 3145 3148 6563 6921 9029 3186 4786

7666 7404 5519 7235 4116 5420 5957 8804 6688 1123
4716 4036 1147 0538 5485 6733 0807 9216 8386 6813
9269 2772 7008 7344 4999 6637 1582 2299 9464 3648
1266 9868

Note: this broadcast used the old format!! Notice how the messages were sent to five different units instead of three like usual. All of the unit IDs began with 6, and the preamble and spoken separator used the old format too. Very clear AM mode broadcast, instead of the usual USB/AM hybrid. WOW!!!

15388 kHz, 09-09, 0000 UTC. New Star Broadcasting. Station 4

Unit IDs: 0845, 1285, 3426

Group Counts: 33, 33, 35

9340 2557 1141 2857 7918 2315 2130 8195 5903 1987
5487 8671 6249 1227 2898 4422 0848 1615 8433 4400
1213 4313 0850 9090 8306 7096 1899 7622 3678 3879
7965 1630 3460

0115 7936 6640 2387 6075 5179 3189 2010 3171 5767
1136 6912 8300 8490 2807 6509 1520 1404 4510 5672
0167 3501 7824 3477 5218 0516 5677 1000 5493 1318
4705 3973 6991

8562 1771 5203 9731 4152 1177 5300 2383 2471 5190
3821 7355 3830 1153 4435 6824 9717 3907 3313 1832
2515 8480 5670 9731 4940 4368 2696 8410 6979 0472
0047 5334 7817 9026 4828

18040 kHz,15-09, 0100 UTC. New Star Broadcasting. Station 3

Unit IDs: 3051, 4122, 8663

Group Counts: 34, 33, 31

0169 9406 4821 3570 7154 7045 9781 6989 6251 7527
1448 5831 7474 7907 9405 9289 6841 2682 3707 5386
4203 9959 1533 5013 0331 2058 0270 1238 0732 4357
0141 3073 0794 2183

5000 3725 7238 9967 8477 2830 2065 2187 7666 0147
0904 2051 5034 4927 7710 2099 3789 1688 8332 6449
9196 3828 1526 2955 1083 1715 1265 5109 1171 6107
9091 5503 3011

2643 0895 5333 9979 1962 8186 9448 0334 9118 8835
0456 8120 0805 9579 8588 6354 3788 9856 4276 5641
3908 1059 0223 4131 7024 3984 0541 0591 2600 9547
0829

20025 kHz, 15-09, 0130 UTC. New Star Broadcasting. Station 4

Unit IDs: 4339, 4851, 6067

Group Counts: 33, 33, 35

2227 1123 4246 0988 1536 3332 3976 5990 5803 2366
4994 8839 8244 8735 8989 6560 2460 7100 4279 8918
9373 8878 7268 7164 6924 7652 3154 9408 9411 5682
5194 9958 3703

5425 8763 7156 6817 9803 4334 1432 4496 0636 8360
4030 9920 8927 1511 8395 1413 7020 4531 7705 6165
4326 9821 0152 2929 4635 7529 2753 5109 2368 0046
6308 1715 7898

1724 7843 1043 8432 9680 8311 8294 6852 1783 4797
6217 9801 4175 9090 4639 9993 5226 7715 7140 2484
9389 2497 5617 6011 9822 7393 5013 0301 6928 9813
0885 5811 8040 3046 3196

9276 kHz, 15-09, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 1122, 1164, 4158

Group Counts: 33, 30, 30

1546 4822 1717 7489 3031 0710 5753 1899 8514 0347
8837 7059 8421 7581 7031 5114 5045 2037 8218 6467
1713 6594 0680 6334 1766 8372 0652 5314 7885 6435
9799 8759 6583

1657 0249 4714 2862 5570 4412 3815 2651 6874 1387
4348 7244 4415 4666 9575 6229 6619 9940 6013 1217
0601 8556 9149 9673 2010 2204 4241 3438 9278 6973

9738 4800 1121 2801 1200 9991 5524 0342 0277 8171
3473 5544 4809 5098 0760 2732 9176 7030 8309 2978
0294 1860 6897 2856 6442 1250 7370 6637 0153 9540

15-09 : Station 1 is playing the same message as last week, still using the old broadcast format too. These messages must be especially important!

21-09 : Station 1 still playing the same message. Two weeks now! Also, on the 0000 and 0030z timeslots GMT (5 and 5:30 PM PDT) only a carrier on 15890, no Station 3 broadcast.

18040 kHz, 22-09, 0100 UTC. New Star Broadcasting. Station 3

Unit IDs: 1155, 1905, 2758

Group Counts: 32, 31, 31

9993 4362 5258 6866 2996 8107 9330 3405 5646 1710
3798 9442 1277 8061 7537 3358 2658 2865 4809 0003
9364 0413 1253 2618 6938 1040 6515 6476 6688 2144
1764 6642

7374 7909 5979 0805 8584 1111 4085 4499 3674 3133
4578 6388 0289 0001 5945 8722 7329 9985 9083 9949
8008 1984 9060 1726 7785 4376 3842 6407 4818 2275
4372

3984 8360 5656 0309 7616 2422 4554 6573 2108 8057
2181 5993 9714 0190 0464 2328 9989 7039 0019 8931
6632 1375 8245 7266 7282 8171 0948 8612 9809 2182
6042

20025 kHz, 22-09, 0130 UTC. New Star Broadcasting. Station 4

Unit IDs: 2577, 5772, 6708

Group Counts: 33, 30, 34

8750 3513 9907 4436 6503 9293 7017 4260 8359 3348
2779 8363 0874 9593 3981 8691 6572 3921 6595 9219
6907 0692 5600 6514 4756 7916 3359 9803 4272 0074
4177 4402 2997

1684 0849 7666 9030 8397 2790 1359 2897 0353 5826
9010 6946 2422 1475 2569 5885 1249 3774 3294 2284
9298 2439 8943 5774 8265 6252 9771 2386 5617 0199

3452 2835 3858 7132 8596 2358 7879 6762 9978 0125
4226 1336 8822 1093 3310 9589 7315 9042 0814 2925
5933 1971 0148 7751 4673 1445 6931 9860 7605 4291
3757 4353 2562 0464

9276 kHz, 22-09, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 3347, 4977, 7510

Group Counts: 32, 33, 33

2875 3059 4071 5375 6888 2124 8065 5401 5743 3780
7806 9744 8556 9095 0004 4932 1811 4612 7765 7851
0285 1505 0368 3591 7954 5312 3945 3035 0433 2548
1231 0446

6027 8928 7493 4536 6470 0317 1875 3013 3406 4269
2503 9929 0588 5942 8831 4647 5611 7106 9226 2471
3884 3827 2270 6672 4916 2861 7578 4222 7977 1333
7371 5918 1670

7756 9561 0667 3256 6911 0783 3703 9000 7694 6627
4834 1954 1900 5251 1371 5005 5729 2792 0253 5895
7725 2255 1809 0357 9892 8607 8034 0178 3963 1135
6082 0148 9645

28-09 note: no broadcasts for station 1 or 4 on the 0000 and 0030z timeslots today. No station 3 broadcast at all, only a carrier. Third week that station 1 is playing the same message, I wonder when it will be swapped for a new one.

20025 kHz, 29-09, 0130 UTC. New Star Broadcasting. Station 4

Unit IDs: 3624, 4041, 9807

Group Counts: 33, 33, 30

1811 5050 6573 8425 9729 6777 5686 7558 5693 8241
9009 7257 6917 3001 6955 7630 3149 2950 0007 7613
0670 5912 0171 7081 8148 2726 7148 6274 3817 7385
1681 1831 7586

3770 9265 4724 1415 3565 4609 5522 0101 8735 3626
3639 7493 6028 6212 2987 9391 0131 6149 0613 3773
3893 2974 6511 5252 4569 9222 8338 5509 3216 2874
3048 7968 8347

1360 7802 5667 2145 7251 8860 3018 1482 7204 0907
1209 6441 6110 0426 8416 8232 4658 8656 0682 7322
7454 2610 2998 6285 0221 7661 5288 8921 0412 7432

18040 kHz, 30-09, 0030 UTC. New Star Broadcasting. Station 1

Unit IDs: 2515, 2828, 2987, 3088, 3252, 3636

Group Counts: 20, 29, 20, 29, 20, 20

1019 8666 5543 6970 1006 6687 0165 3098 9042 5351
3270 4423 9005 3471 3537 4877 0715 8507 7602 1803

4935 1275 8922 4032 2075 8070 5873 1098 6231 9275
5405 3260 4482 2267 1846 6904 9959 6296 6915 5406
0972 7471 1486 2329 8802 7137 4387 9802 1544

1843 0096 3787 3948 3637 0822 4537 5046 4605 6753
8174 5668 2533 3723 5825 8743 6079 2571 6968 5576

7841 5892 8646 6893 2878 0936 6288 2799 8770 1612
2731 5436 9606 1743 1570 2680 1774 5767 4981 2851
1559 6097 7396 7463 0803 0763 0597 1065 7954

2469 0527 5076 4226 0003 1501 7092 3124 3953 5476
2609 1510 2929 0769 7055 3302 7891 6550 5660 8961

2559 8849 6844 0323 1579 1555 4129 4188 1436 0037
5296 7622 5702 2307 8623 0619 4851 0750 3670 6640

Note: first new station 1 broadcast in three weeks. At the end, the voice machine hummed a bit.

15890 kHz, 01-10, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 2046, 9244, 9265

Group Counts: 32, 31, 30

0304 3814 2398 2884 6763 6415 5237 3886 4097 6063
6393 2009 2315 7066 6848 1792 0456 4474 3500 1963
8200 0427 6875 5329 6025 6546 3737 3718 1644 2090
7394 5277

6293 5983 3191 3665 9988 1183 6885 2869 8010 8682
9971 1661 9653 1715 5308 6316 9970 8550 1406 4443
3354 6368 1770 2130 9557 2256 9668 7834 6098 6702
5674

6012 4860 9251 3456 9135 2645 8223 2779 7112 4600
9392 0083 5693 2151 2972 7854 6076 6165 7789 6152
6349 4827 3142 7108 1760 1955 7047 1649 0411 3449

Note: unusually poor signal quality for this station today. Maybe this is why it sent this week's message two days late.

8300 kHz, 01-10, 0200 UTC. New Star Broadcasting. Station 2

Unit IDs: 3455, 7254, 9670

Group Counts: 33, 34, 30

1395 8459 8301 3564 2695 8763 9836 3322 8597 0214
6398 3952 2081 0282 1245 8544 6262 0826 6931 0081
3499 4825 2125 1082 1604 2341 0505 5281 8354 0152
9737 4757 2667

0717 5801 6900 8659 1188 3155 5134 2607 3949 0290
0698 2038 9513 4577 4810 4676 8695 1735 3143 7570
4360 5585 0310 1286 5859 3167 1716 5526 0174 0719
4603 6176 3228 3613

9161 7176 0025 5941 3143 3779 5995 5622 9034 1624
4411 0832 5941 9300 2540 3558 4742 7343 2924 9036
5670 3644 9097 6058 9635 4355 7523 1057 4393 8189

V28 - 앵무새 Aengmusae (Parrot)

Several logs from this North Korean station. We don't get many of these. Thanks HK !

5486 kHz, 12-09, 2110 UTC
5279.6 kHz, 15-09, 0903 UTC
5243 kHz, 15-09, 0903 UTC
5243 kHz, 15-09, 0904 UTC
5486 kHz, 15-09, 0904 UTC
5009 kHz, 24-09, 2103 UTC
5502 kHz, 24-09, 2103 UTC
5502 kHz, 25-09, 0908 UTC

MORSE STATIONS

M01

5020 kHz, 03-09, 2000 UTC

463 505 505 30 30 = =
62539 80703 51729 42319 37254 96837 65723 56284 78302 82746
63514 62894 62719 56720 64728 56381 15241 52739 18290 32784
37820 12398 64782 56238 56273 47286 41329 64824 749xx 56724
= = 505 505 30 30 000

5475 kHz, 05-09, 1800 UTC

463 388 388 30 30 = =
64734 23123 44657 94536 77453 66223 74532 66453 66453 88564
05643 77213 77342 77453 84557 03144 72995 63412 99231 77447
94365 77124 99232 77231 73455 02500 95466 63412 84533 85664
= = 388 388 0 0 0

5020 kHz, 05-09, 2000 UTC

463 726 726 30 30 = =
83422 74536 77123 03411 84533 75922 77451 92311 94534 88236
05664 99453 88564 00342 75844 92364 84533 91234 84533 65743
95633 88123 94344 75122 94005 73557 82995 71043 74563 25466
= = 726 726 30 30 0 0 0

6260 kHz, 07-09, 1500 UTC

463 301 301 2EEEE 301 301 30 30 = =
37645 73645 54152 40180 30918 60958 10381 90211 30948 46389
64739 17625 69040 40387 10361 29836 26354 17365 60541 29036
47091 30918 16524 26715 30918 18746 1/8EEE E 18746 16748 28719 29017
= = 301 301 30 30 000

6510 kHz, 08-09, 0703 UTC. Late start

104 104 104 104 1 EEE 463 (R) 104 104 30 30 = =
45309 10928 22091 39847 50817 30917 20918 23141 22109 48902
56743 01126 30917 80870 46537 31817 30917 39076 76145 09181
44820 10934 44091 39817 30918 27615 38918 19847 01981 01875
= = 104 104 30 30 000

5020 kHz, 10-09, 2000 UTC

463 628 628 30 30 = =
43251 64783 89362 54623 48903 64824 78921 54710 64824 54723
32735 64892 14084 90504 73842 21289 64678 43892 84675 84647
90572 56482 15248 47253 58361 48921 64902 53749 31428 56745
= = 628 628 30 30 000

6260 kHz, 14-09, 1500 UTC

463 465 465 30 30 = =
 59637 46534 20988 67876 46534 10978 47565 38766 39978 59687
 47565 13321 45378 49800 39587 15543 27887 59889 50598 37765
 55776 10988 50909 57645 13222 36455 19878 58909 47563 13245
 = = 465 465 30 30 000

6510 kHz, 15-09, 0700 UTC

463 489 489 30 30 = =
 44778 50989 24354 01543 68756 10989 58769 16456 11887 60988
 26354 20988 67859 47658 69878 43321 32243 40977 55634 22314
 35243 10988 59800 66876 38766 35221 59088 57688 33456 22765
 = = 489 489 30 30 000

5475 kHz, 17-09, 1800 UTC

463 127 127 30 30 = =
 75845 66123 01232 66453 77453 88321 99564 73422 86754 83422
 94533 82344 82335 01344 62664 77231 88453 87453 99231 10053
 85463 77453 99564 88312 77342 85611 88312 19360 74533 82546
 = = 127 127 30 30 000

5020 kHz, 17-09, 2000 UTC

463 387 387 30 30 = =
 85466 88324 77342 77453 99123 00213 77453 99453 74552 99451
 04352 77453 81240 00231 00345 80459 83324 88451 99234 77294
 91233 51256 84351 88254 89234 99123 00342 22040 01254 00234
 = = 387 387 30 30 000

5475 kHz, 19-09, 1800 UTC

463 629 629 30 30 = =
 86759 67448 55763 14472 99680 90059 32320 76850 34114 86944
 75877 24770 87544 76761 23478 75843 75480 75838 75812 55733
 75843 65599 97433 75612 23476 23461 98732 74812 87231 87123
 = = 629 629 30 30 000

6260 kHz, 21-09, 1500 UTC. Different repeat in red

463 751 751 30 30 = =
 46534 13243 39987 60909 609 58673 12355 37566 40978 58769 15436
 57689 14232 10989 56676 38790 24354 09088 16543 39787 23341
 67688 35465 10900 78789 56778 25433 10798 47568 30989 23411
 = = 751 7B51 30 30 000

6510 kHz, 22-09, 0700 UTC. Only 28 groups were sent. Error in red.

463 833 833 30 30 = =
 66875 80977 2432 24312 25343 18877 40900 57688 33546 26254 11909
 68798 35465 10980 46576 22435 19877 50098 55768 35424 16433
 79890 57644 12322 36455 38698 60978 14344 59877
 = = 833 833 30 30 000

5475 kHz, 24-09, 1800 UTC

463 389 389 30 30 = =
 65712 65573 90021 23412 56412 67342 98564 09083 67324 42390
 64781 67490 64761 56230 76324 34222 65432 34652 76431 64620
 56234 56813 65898 64800 65234 74381 67801 76345 78500 53907
 = = 389 389 30 30 000

5020 kHz, 24-09, 2000 UTC

463 163 163 30 30 = =
 65741 65771 74900 74890 86321 67831 56341 76899 98731 78430
 75839 75621 76342 98231 98121 65400 65471 88321 85361 67800
 67834 66468 87232 78301 79840 65712 67439 78345 78491 64381
 = = 163 163 30 30 000

6260 kHz, 28-09, 1500 UTC. Error in red

463 439 439 30 30 = =
 18394 73517 94624 65892 57153 26749 68732 74892 50602 64517
 42894 52417 95873 36142 84756 92645 41389 72530 72236 74914
 64982 46142 64892 45173 64902 **811729** 81729 54782 54891 64723 32467
 = = 439 439 30 30 000

6510 kHz, 29-09, 0700 UTC

463 781 781 30 30 = =
 29893 65825 47189 63510 74856 98124 90304 61528 72534 85735
 41329 43892 53429 74529 79694 51423 82640 53892 64511 73902
 43892 64782 61490 63892 16132 73925 83942 48285 51749 52439
 = = 781 781 30 30 000

M12

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 03-09, 1100/1120/1140 UTC

289 289 289 1 6328 63 6328 63
 98826 02725 30062 00656 12789 36478 99633 19040 66733 94797
 18309 08084 79291 69691 38362 10341 05909 82231 76909 37811
 90194 83909 43732 27094 86607 59616 90466 97295 59379 05568
 74104 35434 29383 01052 41217 85394 29575 53870 79812 47997
 63416 40253 83861 92581 82578 30447 85364 00377 25676 54352
 54204 16690 70124 75339 97231 14916 58991 02967 14047 53172
 46010 02338 59659 000 000

11519/12194/13407 kHz, 10-09, 1100/1120/1140 UTC

289 289 289 1 7450 55 7450 55
 80731 69125 04165 79731 08410 45739 72054 83993 02437 73719
 57665 59553 31411 13556 12365 88360 69806 90504 18719 83565
 64054 09356 44808 82742 70075 33438 96411 65798 39623 05978
 18954 07936 28677 44795 49060 21393 03461 97193 87497 37388
 03951 82383 64153 45779 04795 67714 04061 80950 23237 60293
 70283 25792 02399 64487 91263 000 000

11519/12194/13407 kHz, 17-09, 1100/1120/1140 UTC

289 289 289 1 3228 56 3228 56
 26133 76373 61575 02488 41339 81441 46556 45329 38434 13471
 38491 69565 98660 46673 44551 00748 10335 35834 97570 79559
 15761 15402 02815 24918 21631 90205 07178 62379 83748 83198
 92205 26016 23919 32181 55649 47000 99880 45629 80701 76040
 96015 12226 62176 07444 45130 15365 31384 96245 87145 87866
 97111 85963 40774 66107 48047 00731 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC

11435/10598/9327 kHz, 05-09, 1800/1820/1840 UTC

938 938 938 1 7537 82 7537
 93454 50163 08240 53095 45959 97713 93981 65058 26410 14580
 00526 06058 56369 91574 13315 47997 48060 90612 53851 40463
 29429 04843 90049 18727 08468 68506 68296 31361 65606 40979
 56167 06193 15530 96748 70835 09178 09539 79258 83216 01962
 83922 01126 59019 82170 45835 61759 88863 53260 50965 96205
 48250 26368 35235 53785 43223 88610 60113 89511 44627 77452
 29416 62619 99451 85429 58412 94332 90526 59619 20738 04137
 38457 68801 07396 51888 56540 28303 45823 07879 72891 46707
 79641 15035 000 000

11435/10598/9327 kHz, 19-09, 1800/1820/1840 UTC

938 938 938 1 2223 76 2223 76
44692 95291 50560 92086 83597 11742 72340 14825 01782 01048
90982 88216 72198 16438 48180 03099 40482 65059 81672 42820
44493 98015 79852 27888 81917 24112 86021 77394 03439 84696
66398 09289 33588 42865 80193 15704 09752 49289 48199 65356
71279 20969 01126 08334 75349 05176 47780 94696 87550 05980
92242 93390 29689 13345 69107 46675 15439 22672 10168 59485
25720 95145 11385 17085 34649 81693 54628 29334 36244 32475
93345 91192 16860 16316 71540 23523 000 000

7961/6861/5861 kHz, 2100/2120/2140 UTC**7961/6861/5861 kHz, 06-09/07-09, 2100/2120/2140 UTC**

988 988 988 13426 105 3426 105
69700 47235 48206 45580 01638 08348 15749 74249 50170 44201
27113 68561 75495 53950 06692 57558 30565 14722 65177 86271
92838 91444 64590 66119 26086 68709 56294 99939 24889 51962
34960 23956 79136 31237 92397 99396 26440 74411 68935 47178
46937 87964 74248 69298 54591 20305 18959 37570 66845 61824
88698 68950 15740 90195 17179 91189 90727 76392 11564 33019
50648 75150 33534 30945 19247 88337 29981 13944 59005 01183
29507 20826 09727 87243 77039 95732 88623 35432 93141 48512
94403 20538 64036 09952 20626 62249 21316 69197 15724 90302
26361 39764 21064 39641 22043 21238 91314 40109 10820 10537
60776 53734 89884 52485 32287 000 000

7961 kHz, 14-09, 2100 UTC

988 988 988 1 3426 105 3426 105
69700 47235 48206 45580 01638 08348 15749 74249 50170 44201
27113 68561 75495 53950 06692 57558 30565 14722 65177 86271
92838 91444 64590 66119 26086 68709 56294 99939 24889 51962
34960 23956 79136 31237 92397 99396 26440 74411 68935 47178
46937 87964 74248 69298 54591 20305 18959 37570 66845 61824
88698 68950 15740 90195 17179 91189 90727 76392 11564 33019
50648 75150 33534 30945 19247 88337 29981 13944 59005 01183
29507 20826 09727 87243 77039 95732 88623 35432 93141 48512
94403 20538 64036 09952 20626 62249 21316 69197 15724 90302
26361 39764 21064 39641 22043 21238 91314 40109 10820 10537
60776 53734 89884 52485 32287 000 000

7961/6861/5861 kHz, 20-09/21-09/27-09/28-09, 2100/2120/2140 UTC

988 988 988 1 2978 137 2978 137
51473 20657 44088 81655 76868 85554 38377 77621 53793 50393
21115 14907 35625 93732 79226 92802 64439 56673 33681 76381
38796 62220 34135 67707 57637 74397 40355 80758 67764 60582
09952 31183 18523 10847 89004 19825 91017 41146 06609 18530
02243 58288 84655 34918 78266 27391 95383 90532 84354 24243
11428 18312 70810 18345 07543 48879 64784 92015 79795 75576
03315 94704 36051 84295 39413 86987 29122 23617 00402 57100
72385 52519 02813 03554 97634 85522 39288 96085 42031 36395
10504 73337 07703 09297 29567 65879 52419 40000 63052 81240
95891 03831 37792 55799 18006 70548 20278 88107 86014 92995
88350 44742 47106 58194 35041 20476 67733 82448 86108 32184
46487 83188 90412 39920 53560 66132 90536 47396 85946 66248
70575 69054 19045 97694 91514 28642 35307 87617 86895 55299
94186 13780 49814 73539 05020 54235 67719 000 000

11109/10309/9209 kHz, 2000/2020/2040 UTC

11109 kHz, 09-09, 2000 UTC. Restart after group 43.

385 385 385 1 8146 47 8146 47
47253 07077 93717 82301 87630 25050 92464 55621 70564 37008
96571 22634 49363 47686 36379 45569 52419 91827 29730 24304
70120 78476 16846 54315 03140 59773 24956 41959 35698 36565
06908 98127 69749 36841 25123 50871 72215 35181 01824 20368
93305 38571 12064
385 385 385 1
50871 72115 35181 01824 20368 93305 38571 12064 81007 99199
02461 16560 000 000

10309/9209 kHz, 09-09, 2020/2040 UTC

11109/10309/9209 kHz, 12-09, 2000/2020/2040 UTC

385 385 385 1 8146 47 8146 47
47253 07077 93717 82301 87630 25050 92464 55621 70564 37008
96571 22634 49363 47686 36379 45569 52419 91827 29730 24304
70120 78476 16846 54315 03140 59773 24956 41959 35698 36565
06908 98127 69749 36841 25123 50871 72215 35181 01824 20368
93305 38571 12064 81007 99199 02461 16560 000 000

11109/10309/9209 kHz, 23-09/26-09, 2000/2020/2040 UTC

385 385 385 1 259 61 259 61
58879 57514 53971 81298 14349 66636 49046 33050 08678 31059
87742 10531 71360 21901 23472 70510 38964 41521 81544 42626
15601 16248 87083 85070 33064 29334 49465 85049 04855 06891
08164 81970 73141 60260 36916 40889 48614 31094 81538 84061
71736 70395 17848 63262 46720 32997 05190 63122 09369 83311
21884 57881 46596 39335 60414 17162 47378 71858 09659 86796
69464 000 000

13367/12167/10567 kHz, 1900/1920/1940 UTC

13367/12167/10567 kHz, 11-09/13-09/18-09/20-09, 1900/1920/1940 UTC

315 315 315 1 2221 95 2221 95
06600 79305 99512 16635 57077 30443 86634 23755 29086 97163
74478 71069 34697 49758 21873 13401 62767 25983 59395 77598
82392 86504 17729 39910 57891 76705 84805 88029 81336 60337
02632 08102 66903 52979 38104 84453 89995 28964 21410 16729
49237 94214 88888 72322 79227 38255 24619 04430 18900 91834
84829 62527 20751 64508 84837 19281 18854 11752 08060 40129
35708 11086 16840 83118 60965 24646 90505 56850 47909 89080
74377 53814 12147 02864 43015 31885 47998 84763 82162 46362
13715 89406 92257 91512 87419 50323 35953 00644 12285 51980
95692 17620 33038 94976 60939 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 24-09, 1100/1120/1140 UTC

289 289 289 1 6738 54 6738 54
99761 64700 16420 95485 51678 21005 46736 83911 80637 68873
18286 83867 38936 89322 01879 11919 83532 64042 02879 31975
73872 10715 15459 59699 20701 62555 89838 48300 10817 18803
66285 95631 53135 75726 98612 76009 02465 50814 26834 88207
62811 68236 45959 59182 52154 80042 93124 95871 57433 60355
65724 82536 50536 39651 000 000

13368/12168/11168 kHz, 01-09, 2310/2330/2350 UTC

311 311 311 1 1089 213 1089 213

36506 98920 02963 65893 95252 78946 96187 47828 44296 98539
 17732 25964 75357 31413 74948 38042 58320 87043 80498 65335
 56982 33249 88228 90238 44337 17681 64588 79259 03864 83895
 08106 10493 21155 10707 43449 74945 37590 40449 89664 83592
 22256 90367 85493 03163 77050 06667 40969 40736 79736 14405
 78118 76569 80542 75013 52528 41464 26871 21215 42186 12593
 04977 42058 11240 46972 26121 49918 59374 87619 70480 95994
 82787 24306 81761 55941 98413 31926 05708 01113 49273 82749
 37394 70310 55870 57350 16819 76618 49135 36452 46700 81572
 32541 52421 78873 43705 94556 31429 10691 95093 32894 68634
 31763 45291 47895 19361 20814 75503 14874 55433 36504 22724
 93492 44340 91237 54074 09612 49383 73616 35579 62327 45044
 44498 27456 15798 88595 62611 93812 59393 29711 68677 30370
 06805 94634 31077 23433 91477 99748 99807 55388 75474 27521
 54727 97318 29842 01711 10441 43073 33208 27257 60639 16468
 46462 65643 61567 13114 50007 51837 58554 57486 67828 49904
 85406 53774 28045 30246 26758 85709 96968 05791 72336 63771
 67834 42241 02705 50500 81176 57434 84234 56780 17856 70824
 61756 63204 96241 17973 06184 55448 48024 02104 92483 68827
 18675 37681 45576 55078 65785 41770 66344 51576 77975 84939
 20797 59798 80849 28595 92369 14691 99937 12685 68738 03522
 38105 23575 00207 000 000

13368/12168/11168 kHz, 15-09/18-09, 2310/2330/2350 UTC

311 311 311 1 184 219 184 219

39502 09065 09259 33585 63232 29652 60141 60295 95524 50494
 92890 65407 36762 40637 71242 04043 83809 41571 83851 77656
 00908 70661 84134 43486 12036 20428 07135 46072 98655 13316
 29462 77696 29252 93329 74717 84254 36976 65357 53611 08415
 31373 63315 54187 71767 06542 57980 00190 96366 30485 91429
 47717 80619 17461 88619 06727 75830 91512 14636 36102 24544
 56211 34604 76097 20677 00575 31155 25962 09069 52085 82413
 00401 29259 16504 74586 66155 51668 74754 41812 36202 27497
 65312 47967 06568 82808 85464 69345 98022 15507 82624 90347
 76180 65160 91273 05498 45136 95581 15560 16623 89527 08360
 30076 35928 46799 41341 48785 02496 23840 06178 54690 84454
 89903 51878 26707 16238 35301 61208 00066 36156 63264 70157
 43105 64250 51633 03447 42316 95303 95194 44186 28324 49132
 37222 97361 84543 72331 08739 84463 64139 48534 55055 24728
 25841 15212 13176 47103 04205 07315 92703 14729 72539 16348
 62629 28679 42041 18531 88239 63913 22452 75340 75604 33823
 42062 04155 18457 93278 31289 47699 13899 49725 34721 52689
 70050 34027 55545 70102 51988 27818 21161 18158 36143 98925
 27878 67443 80201 43516 53145 06477 86409 70326 53948 12282
 99774 85500 99726 00645 69962 82291 41133 62774 34586 23075
 82677 49969 65728 32595 37184 59122 61568 51672 18320 40868
 05225 15275 33649 21012 14543 40822 61142 24539 22615 000 000

13368/12168/11168 kHz, 22-09, 2310/2330/2350 UTC

311 311 311 1 246 71 246 71

00898 42103 79512 64403 49886 19340 89567 29138 50707 79589
 88677 04235 64661 28468 31166 88864 01945 68049 48975 01362
 65657 04740 60251 41480 81749 03714 69538 74200 68167 98605
 19526 79959 13164 06290 22486 03302 18081 01605 91713 62161
 68955 71746 16509 38686 91511 81287 01467 70622 95882 81880
 67466 33957 91300 84388 00181 54276 28113 30222 50589 61891
 68782 91671 55209 90455 36050 53601 92852 39699 27915 58866
 21102 000 000

11168 kHz, 26-09, 0012 UTC

13368/12168 kHz, 29-09, 2310/2340 UTC

11168 kHz, 30-09, 0012 UTC

311 311 311 1 3137 425 3137 425

83497 12872 17322 59965 23588 06263 47447 90632 08842 16938
28534 83062 02173 42125 23628 86346 17928 66159 91215 65125
35897 02112 48763 49545 01220 19257 44842 58949 98915 52291
44255 38062 36745 45248 99326 32446 26506 75453 61429 54337
36644 10658 52610 07469 63450 54008 80046 93729 02603 33224
56007 78272 49743 43034 45109 83805 56856 01570 93089 38361
72416 35042 35113 17175 68146 31366 08534 50165 55267 17885
48206 24829 50475 90990 15102 04748 77316 60407 69726 95967
73036 22989 91756 18212 41646 04690 06864 53740 62780 30054
19091 71549 28887 12534 34783 62012 60684 16670 86278 06444
45888 15618 34660 64636 57492 49978 45191 88648 10537 03581
92125 74024 85195 64431 91581 70677 23328 23469 53661 13141
13050 66929 21104 92199 94663 86756 22539 71674 23006 60925
15224 07818 98557 04445 19392 19481 55791 05540 46999 36450
73776 55288 79595 94921 49337 25835 27438 30919 62658 45312
38174 10359 38126 04119 56401 30702 44210 72837 08250 71638
86268 98197 70202 19856 91071 16263 17793 40447 29105 50713
41714 78980 88218 31501 28415 21478 32664 46014 67991 88076
33169 85027 86790 83965 90183 59321 22651 62046 35487 24372
83816 76674 72948 59394 64411 01132 02782 16658 46345 60636
69444 60522 46300 07606 60158 51723 86772 23389 16123 87423
52158 74563 17791 98355 07422 28235 15406 23975 17959 98416
14523 69681 35286 90400 47110 64341 10361 57086 53822 46239
13940 90706 12278 25537 23745 32111 58964 85578 36967 81459
61276 32672 03178 71453 98700 65522 96570 01864 88159 45934
70339 11253 60849 63938 47380 66546 46889 53868 76451 69662
69103 71979 80141 52131 90241 12161 01392 92222 29636 44792
42400 59399 78751 88699 53123 14056 25673 27875 19149 03098
76055 63553 69792 95399 34559 84068 11260 59777 59897 08157
80856 81822 06240 00394 98772 98467 19453 45672 27534 24799
20420 28387 54671 52595 21812 39431 54788 02189 52336 38139
78411 17221 76100 06495 65706 79062 43090 55624 95096 14885
95855 77804 05370 25145 00181 19535 08787 50946 96383 62665
70753 71080 05374 11140 40734 00843 31003 49475 80504 50030
38387 77069 84137 33830 68428 37638 56191 37573 63022 59314
82485 77990 02046 87825 77460 19800 92208 16522 06540 16557
38091 79587 48066 94159 49694 80940 38432 54400 13935 59691
96621 16969 38154 06306 57955 55124 22418 34918 17681 99990
11316 95228 21585 48156 79418 57402 04607 91073 00761 37934
43488 27680 12474 37838 41421 88266 66818 93312 45657 96978
58725 15210 33529 89723 25257 02779 65652 05286 58888 91201
74107 75882 12548 92424 91654 64627 54954 85156 20399 17466
79516 88890 09051 79446 04417 000 000

17437/15937/14537 kHz, 0300/0320/0340 UTC

17437 kHz, 17-09, 0300 UTC

495 495 495 1 636 179 636 179

62240 32723 22317 20076 98597 61049 64188 91192 22732 50980
20592 17668 52749 03901 79665 60327 22271 05756 92301 33588
95687 38367 03783 36950 39699 20516 78259 64154 44844 60573
62084 91155 01246 05842 05178 96970 13629 10567 27922 02911
97557 06320 75556 62966 55413 32567 31500 57360 82928 51823
09888 07289 91651 67410 50727 75184 53989 11688 88174 15958
38701 59652 50418 90011 26622 42610 74669 48590 79905 99181
84562 14727 01915 77697 70501 10083 44648 17327 45690 72655
60251 15441 40042 66249 71324 94662 17695 39002 14071 63544
17517 95022 96177 61540 48887 76093 35439 77128 31165 26934
63877 90607 97806 18568 38887 90035 06903 21802 97073 81198

80536 94843 41660 59907 25351 14368 64942 42494 49930 20665
70301 49905 92166 46115 63029 91248 76907 61169 06425 71376
48179 32185 49147 95705 30198 36594 88929 79244 12966 06067
77139 68635 11416 23509 16705 03124 17238 76136 06126 42126
18548 46840 35512 94142 91394 93151 12464 12153 71778 06649
33926 89101 48983 34884 82992 05960 57779 28809 39994 19966
27396 76939 05321 83625 32810 54925 26770 23306 27204 000 000

17437 kHz, 24-09, 0300 UTC

495 495 495 1 343 181 343 181
07985 12037 49188 81408 54172 08296 43995 68514 11011 29221
61382 44961 74419 58945 56040 86958 63196 42150 43500 65676
48641 90502 49464 46320 99857 00525 50129 02040 43230 27389
90690 92612 15407 34270 69202 57015 56412 30901 46747 24449
37600 14187 47994 36082 25779 98319 59579 96457 64118 88947
11989 40666 57438 26366 20683 25415 82393 04779 05034 89969
61518 62779 34307 15121 07167 09964 34429 91904 50462 72485
64629 08079 23694 94511 78274 16267 86953 33605 42195 51310
51817 15550 42109 51896 66461 57743 26249 35858 15482 42849
03579 75682 62435 28332 35569 52847 61971 51163 00710 73555
36254 88349 51746 27595 12658 16197 10255 51752 86292 47240
37465 79188 23679 85427 70253 39395 93416 67891 76110 74205
93583 13974 76776 14327 24262 46311 39186 14506 01626 87375
24733 88789 95512 58262 12992 76337 28884 22273 82657 98509
06371 01668 13330 24336 16158 33190 70915 85772 11261 87098
60208 82955 09495 22178 21183 45463 30436 08830 42629 99183
56235 66804 53704 28345 48760 73898 53574 41508 43651 49098
71897 91073 75343 69667 14410 01356 53349 50848 15353 65449
11013 000 000

14942/13942/12142 kHz, 0010/0030/0050 UTC

14942 kHz, 20-09, 0010 UTC

991 991 991 1 709 193 709 193
31640 99440 29219 30068 80573 44174 34198 01212 16384 18810
13478 37598 65336 42772 83033 34331 57389 53088 23792 15810
75087 60559 05369 83095 26272 01579 50238 76238 65850 65322
39527 81718 50875 97664 04155 52745 99976 74912 58350 47478
99250 01497 42193 29767 39656 10000 86632 73080 94627 65016
11651 78674 10574 91388 71939 71706 62567 13297 74055 13216
18574 00482 47981 49935 57776 15318 16914 06641 05574 87659
93989 20014 23650 48482 23222 85203 93970 02803 12255 03921
07106 88559 08968 25877 54309 09706 54744 84236 41764 09909
01057 91745 46173 17397 76355 51070 17538 50260 31514 50725
26648 77484 41309 75119 69469 84118 05180 97118 57147 50201
83216 86073 64337 17920 79991 50267 38842 03456 22934 21604
07087 10126 53065 69689 19067 43681 02148 39927 15698 81357
86267 39056 72398 82685 90711 74077 20239 92420 59403 22026
02777 31876 05464 76294 57999 84608 62955 09310 92983 35051
15228 48783 11016 57600 22275 32112 71210 62671 96103 23981
82385 43048 77351 76802 40966 94009 19391 06203 73933 82175
32002 65730 63925 42257 58626 66241 03799 88840 33907 21327
06842 76842 46234 78833 10199 67475 89047 09566 72580 34552
29361 27417 81919 000 000

14942 kHz, 23-09, 0010 UTC

991 991 991 1 5531 137 5531 137
10342 26808 56990 10341 99169 76466 28634 31170 41914 53499
99355 12821 86963 60002 35559 13817 56277 97824 69154 41900
87369 27975 28442 91077 05028 21355 37181 09450 78485 01593
56166 15662 15788 55529 84848 87318 27797 98776 40986 08657
25629 58596 07480 98656 68727 63750 72037 17749 98742 14082
17648 16032 00364 51130 82250 59294 43270 02700 19035 84437

86613 29457 40549 03145 09568 83526 84825 33674 54012 30860
82221 42562 74265 00347 14721 17643 50552 19116 58655 11872
49141 08506 00331 38460 00472 75921 93178 14251 32672 58453
87472 59142 77128 38990 12124 47183 28637 13677 53717 02487
25222 20860 13341 55809 05742 29435 74780 38902 48984 10758
86939 56062 65844 20335 97688 51992 27322 36485 38557 24685
57665 31723 48807 87289 99245 58944 19208 43234 66289 48480
52584 80843 38444 20569 17344 92402 17019 000 000

14942 kHz, 30-09, 0010 UTC

991 991 991 1 624 53 624 53
64311 87454 92745 49189 03017 72606 65144 97968 43831 69429
93494 77518 75506 15259 59264 46434 09976 43042 68851 02038
61548 15021 93795 45168 71654 08223 71685 61816 03002 52698
18544 06771 98075 68252 89323 98686 73983 33763 40820 06540
50580 29967 69096 29696 61315 79642 59074 56698 01746 75231
38313 39346 8385 000 000

M14

12221 kHz, 02-09, 0502 UTC. Late start

10243 kHz, 02-09, 0520 UTC. No transmission

952 935 935 60 60 = =
14608 42927 35324 25344 10867 16808 69102 23450 84088 79465
80679 50394 52285 28760 73279 66998 18089 45393 63194 93569
52234 04120 04534 77390 49809 48708 32825 54461 57686 22874
88388 10163 96588 74345 05453 68529 26218 74269 77910 64829
26894 19134 37688 81127 96124 07397 06641 49528 83564 08011
07924 52778 12787 63028 47775 76921 63303 91479 03642 95692
= = 935 935 60 60 00000

12221/10243 kHz, 03-09, 0500/0520 UTC

952 180 180 54 54 = =
09689 13592 14302 45349 70595 34611 07211 75796 86637 05237
69348 16201 60568 51123 63434 27393 07745 80084 58696 81268
91424 02331 50786 54114 58160 51187 84140 32148 34230 08994
00214 46446 69036 67862 60031 79458 36424 79990 14499 10289
29833 77209 20893 90933 12250 64460 28997 70665 06870 16885
85287 10750 39431 35210
= = 180 180 54 54 00000

12221/10243 kHz, 04-09, 0500/0524 UTC

12221/10243 kHz, 05-09, 0500/0520 UTC

952 674 674 25 25 = =
88587 42003 30173 39881 74720 15520 52938 34211 71852 43331
76490 43092 15131 70393 46675 76104 29186 78512 40858 36740
89859 13779 98846 45793 84876
= = 674 674 25 25
952 810 810 32 32 = =
31472 99538 76981 87343 68018 06257 49532 40131 58181 68587
20620 02024 46319 34571 36676 11317 29541 92946 42379 71349
49321 49996 08644 09241 28927 35399 55645 59720 36319 35528
13037 34996
= = 810 810 32 32 00000

12221/10243 kHz, 06-09, 0500/0520 UTC

952 952 952 00000

12221/10243 kHz, 09-09/10-09, 0502/0520 UTC

952 746 746 53 53 = =
94595 18545 44394 38536 30731 09129 63153 43085 14958 76229
21366 12054 71106 22376 23547 02365 30540 13148 16419 16751

27510 97703 10295 04412 71168 12605 16964 44182 30184 48632
02513 02417 90891 85276 78535 82760 74906 22595 80152 10006
27163 65113 04283 15218 10290 37470 06618 14318 66272 36485
80708 97311 31342
= = 746 746 53 53 00000

12221/10243 kHz, 11-09, 0500/0520 UTC

12221 kHz, 12-09, 0500 UTC. Only the first message was sent

10243 kHz, 12-09, 0520 UTC. Both messages were sent

468 468 19 19 00000
952 301 301 36 36 = =
96482 97765 81436 13544 05161 55294 74431 78596 97521 86100
40953 11061 46138 95702 96854 06484 85158 11945 41873 41167
59150 47974 68294 84221 27125 41109 49002 06597 51422 16009
47124 98016 26146 45613 14432 27765 = =
301 301 36 36
952 468 468 19 19 = =
66543 41058 01337 47734 62094 57498 36235 82101 15232 39346
74632 61574 58526 27956 90753 69560 45417 47522 65611
= = 468 468 19 19 00000

13-20 Sept: not monitored

12221/10243 kHz, 23-09/24-09, 0500/0520 UTC

952 847 847 53 53 = =
24354 40778 10929 63852 74498 58782 64977 92423 99928 53401
48367 25600 70667 50022 39376 86474 35746 36653 67281 42609
13803 85649 64727 86589 89626 05218 69010 61221 33859 06646
01980 77782 88021 98195 83242 00784 82060 41591 56351 97667
76605 32039 32669 76889 47114 87727 82601 62815 52107 59729
28875 80868 52667
= = 847 847 53 53 00000

12221/10243 kHz, 25-09, 0500/0520 UTC

952 631 631 22 22 = =
73986 20955 85357 71105 23244 49472 76098 50658 75529 09969
06262 01473 37697 01833 73332 88783 99968 71357 59746 54535
95862 80156
= = 631 631 22 22
952 487 487 33 33 = =
04969 21786 38257 00164 20458 65806 87239 69446 88617 14832
71066 69871 36150 74472 53020 69000 31640 16179 08789 12441
13909 63297 75486 62682 55056 49483 62479 47014 68745 04171
97482 81711 96511
= = 487 487 33 33 00000

12221/10243 kHz, 26-09, 0500/0520 UTC. Same messages as yesterday but in reverse order.

952 487 487 33 33 = =
04969 21786 38257 00164 20458 65806 87239 69446 88617 14832
71066 69871 36150 74472 53020 69000 31640 16179 08789 12441
13909 63297 75486 62682 55056 49483 62479 47014 68745 04171
97482 81711 96511
= = 487 487 33 33
952 631 631 22 22 = =
73986 20955 85357 71105 23244 49472 76098 50658 75529 09969
06262 01473 37697 01833 73332 88783 99968 71357 59746 54535
95862 80156
= = 631 631 22 22 00000

12221/10243 kHz, 30-09, 0500/0520 UTC

952 106 106 53 53 = =
45499 42935 10172 08977 52767 28760 60078 29126 40092 65766
84422 34406 19342 01547 37442 52423 85644 72263 77566 38389

05372 36314 04474 04147 80001 87386 93118 32056 34291 89092
35665 28427 02213 98381 27277 96198 09077 69899 56683 31536
73280 58496 87474 74042 76125 62071 41053 65280 73145 71930
17187 95266 45362
= = 106 106 53 53 00000

M23

SALUT

The unid "Salut le gars" station from 2022 surfaced on 10916 kHz on 23-09, 1320 UTC with strings of 0 and 5. See also N&O 278 and N&O 279

The behaviour of this station looks a lot like M23. It has the same start and end tones and also the same hourly tone. It could be related or even be the same station as M23.

UM04 - PROMRCh

Below the transmissions that we have monitored in September.

4735 kHz, 01-09, 0700 UTC

VVV VVV PROMRCh = 01 09 =
1000 0940 0970 1080 1440
1200 0980 1010 1100 1470
1400 1020 1050 1140 1470
1600 1000 1020 1110 1450
1800 0960 0990 1100 1470
2000 1000 1030 1140 1510
2200 0830 0850 0910 1130
0000 0750 0760 0830 1050
0200 0690 0710 0760 0950
0400 0630 0650 0700 0900
0600 0600 0620 0690 0930
0800 0830 0860 0990 1370
= ABV
VVV VVV PROMRCh = 01 09 =
1000 0940 0970 1080 1440
1200 0980 1010 1100 1470
1400 1020 1050 1140 1470
1600 1000 1020 1110 1450
1800 0960 0990 1100 1470
2000 1000 1030 1140 1510
2200 0830 0850 0910 1130
0000 0750 0760 0830 1050
0200 0690 0710 0760 0950
0400 0630 0650 0700 0900
0600 0600 0620 0690 0930
0800 0830 0860 0990 1370
= AR

4735 kHz, 04-09, 0700 UTC

VVV VVV PROMRCh = 04 09 =
1000 0940 0980 1090 1470
1200 0990 1020 1110 1450
1400 1030 1060 1150 1490
1600 1010 1030 1130 1470
1800 0970 1010 1120 1500
2000 0990 1020 1130 1490
2200 0820 0830 0900 1130
0000 0740 0750 0820 1040
0200 0690 0700 0750 0950
0400 0630 0640 0700 0890
0600 0590 0610 0690 0930
0800 0820 0860 0980 1370
= ABV
VVV VVV PROMRCh = 04 09 =
1000 0940 0980 1090 1470
1200 0990 1020 1110 1450
1400 1030 1060 1150 1490
1600 1010 1030 1130 1470
1800 0970 1010 1120 1500
2000 0990 1020 1130 1490
2200 0820 0830 0900 1130
0000 0740 0750 0820 1040
0200 0690 0700 0750 0950
0400 0630 0640 0700 0890
0600 0590 0610 0690 0930
0800 0820 0860 0980 1370
= AR

4735 kHz, 07-09, 0700 UTC

VVVVV PROMRCh = 0709 =
1000 0950 0990 1100 1500
1200 1000 1030 1130 1490
1400 1040 1070 1170 0530
1600 1020 1050 1150 1500
1800 1010 1040 1150 1550
2000 0960 0990 1090 1430
2200 0800 0810 0880 1120
0000 0730 0750 0810 1030
0200 0680 0690 0740 0940
0400 0630 0640 0690 0890
0600 0580 0600 0680 0920
0800 0820 0900 0980 1380
= ABV
VVVVV PROMRCh = 0709 =
1000 0950 0990 1100 1500
1200 1000 1030 1130 1490
1400 1040 1070 1170 0530
1600 1020 1050 1150 1500
1800 1010 1040 1150 1550
2000 0960 0990 1090 1430
2200 0800 0810 0880 1120
0000 0730 0750 0810 1030
0200 0680 0690 0740 0940
0400 0630 0640 0690 0890
0600 0580 0600 0680 0920
0800 0820 0900 0980 1380
= AR

4735 kHz, 08-09, 0700 UTC

VVV VVV PROMRCh = 08 09 =
1000 0960 1000 1120 1510
1200 1010 1040 1140 1510
1400 1050 1080 1180 1540
1600 1030 1050 1160 1520
1800 1020 1050 1170 1560
2000 0960 0980 1080 1420
2200 0790 0810 0880 1110
0000 0720 0740 0800 1010
0200 0680 0690 0740 0940
0400 0630 0640 0690 0890
0600 0590 0600 0680 0920
0800 0830 0870 1000 1390
= ABV
VVV VVV PROMRCh = 08 09 =
1000 0960 1000 1120 1510
1200 1010 1040 1140 1510
1400 1050 1080 1180 1540
1600 1030 1050 1160 1520
1800 1020 1050 1170 1560
2000 0960 0980 1080 1420
2200 0790 0810 0880 1110
0000 0720 0740 0800 1010
0200 0680 0690 0740 0940
0400 0630 0640 0690 0890
0600 0590 0600 0680 0920
0800 0830 0870 1000 1390
= AR

4735 kHz, 10-09, 0702 UTC

VVV VVV PROMRCh = 1009 =
1000 0980 1020 1140 1540
1200 1040 1060 1170 1540
1400 1070 1090 1200 1560
1600 1040 1070 1180 1550
1800 1040 1070 1190 1590
2000 0940 0960 1050 1370
2200 0790 0800 0870 1100
0000 0720 0740 0800 1010
0200 0680 0690 0740 0950
0400 0630 0640 0690 0890
0600 0590 0610 0680 0920

4735 kHz, 12-09, 0700 UTC

VVV VVV PROMRCh = 12 09 =
1000 1010 1040 1160 1580
1200 1060 1080 1190 1570
1400 1080 1110 1210 1590
1600 1060 1090 1190 1570
1800 1060 1090 1210 1610
2000 0920 0940 1030 1330
2200 0780 0790 0850 1080
0000 0720 0740 0790 1000
0200 0680 0690 0750 0950
0400 0640 0650 0700 0890
0600 0590 0610 0690 0930

4735 kHz, 16-09, 0700 UTC

VVV VVV PROMRCh = 1609 =
1000 1020 1060 1180 1610
1200 1080 1110 1230 1630
1400 1100 1130 1240 1620
1600 1090 1120 1230 1630
1800 1100 1130 1250 1670
2000 0890 0910 0990 1270
2200 0750 0770 0830 1060
0000 0710 0730 0780 0980
0200 0680 0690 0750 0950
0400 0630 0640 0700 0880
0600 0580 0600 0670 0910

4735 kHz, 17-09, 0700 UTC

VVV VVV PROMRCh = 17 09 =
1000 1020 1060 1190 1610
1200 1080 1110 1230 1640
1400 1110 1140 1240 1640
1600 1090 1120 1240 1630
1800 1100 1140 1260 1680
2000 0890 0910 0990 1260
2200 0740 0760 0820 1050
0000 0710 0720 0780 0980
0200 0670 0690 0740 0940
0400 0620 0630 0690 0870
0600 0570 0590 0670 0900

0800 0840 0880 1010 1420
= ABV
VVV VVV PROMRCh = 1009 =
1000 0980 1020 1140 1540
1200 1040 1060 1170 1540
1400 1070 1090 1200 1560
1600 1040 1070 1180 1550
1800 1040 1070 1190 1590
2000 0940 0960 1050 1370
2200 0790 0800 0870 1100
0000 0720 0740 0800 1010
0200 0680 0690 0740 0950
0400 0630 0640 0690 0890
0600 0590 0610 0680 0920
0800 08400880 1010 1420
= AR

0800 0870 0900 1040 1450
= ABV
VVV VVV PROMRCh = 12 09 =
1000 1010 1040 1160 1580
1200 1060 1080 1190 1570
1400 1080 1110 1210 1590
1600 1060 1090 1190 1570
1800 1060 1090 1210 1610
2000 0920 0940 1030 1330
2200 0780 0790 0850 1080
0000 0720 0740 0790 1000
0200 0680 0690 0750 0950
0400 0640 0650 0700 0890
0600 0590 0610 0690 0930
0800 0870 0900 1040 1450
= AR

0800 0870 0910 1050 1480
= ABV
VVV VVV PROMRCh = 1609 =
1000 1020 1060 1180 1610
1200 1080 1110 1230 1630
1400 1100 1130 1240 1620
1600 1090 1120 1230 1630
1800 1100 1130 1250 1670
2000 0890 0910 0990 1270
2200 0750 0770 0830 1060
0000 0710 0730 0780 0980
0200 0680 0690 0750 0950
0400 0630 0640 0700 0880
0600 0580 0600 0670 0910
0800 0870 0910 1050 1480
= AR

0800 0870 0910 1050 1480
= ABV
VVV VVV PROMRCh = 17 09 =
1000 1020 1060 1190 1610
1200 1080 1110 1230 1640
1400 1110 1140 1240 1640
1600 1090 1120 1240 1630
1800 1100 1140 1260 1680
2000 0890 0910 0990 1260
2200 0740 0760 0820 1050
0000 0710 0720 0780 0980
0200 0670 0690 0740 0940
0400 0620 0630 0690 0870
0600 0570 0590 0670 0900
0800 0870 0910 1050 1480
= AR

4735 kHz, 19-09, 0700 UTC
VVV VVV PROMRCh =19 09 =
1000 1030 1070 1200 1650
1200 1110 1140 1260 1670
1400 1130 1160 1270 1670
1600 1110 1140 1260 1670
1800 1120 1160 1280 1720
2000 0880 0890 0970 1250
2200 0730 0750 0800 1030
0000 0690 0710 0760 0960
0200 0660 0670 0730 0930
0400 0610 0620 0680 0870
0600 0570 0590 0660 0890
0800 0870 0920 1060 1500
= ABV
VVV VVV PROMRCh =19 09 =
1000 1030 1070 1200 1650
1200 1110 1140 1260 1670
1400 1130 1160 1270 1670
1600 1110 1140 1260 1670
1800 1120 1160 1280 1720
2000 0880 0890 0970 1250
2200 0730 0750 0800 1030
0000 0690 0710 0760 0960
0200 0660 0670 0730 0930
0400 0610 0620 0680 0870
0600 0570 0590 0660 0890
0800 0870 0920 1060 1500
= AR

4735 kHz, 22-09, 0700 UTC
VVV VVV PROMRCh = 22 09 =
1000 1030 1070 1210 1650
1200 1110 1140 1260 1690
1400 1140 1170 1280 1690
1600 1120 1150 1270 1690
1800 1120 1160 1290 1740
2000 0850 0870 0950 1220
2200 0700 0720 0780 1000
0000 0670 0680 0730 0900
0200 0640 0650 0710 0900
0400 0600 0610 0660 0840
0600 0550 0570 0650 0870
0800 0870 0910 1060 1500
= ABV =
VVV VVV PROMRCh = 22 09 =
1000 1030 1070 1210 1650
1200 1110 1140 1260 1690
1400 1140 1170 1280 1690
1600 1120 1150 1270 1690
1800 1120 1160 1290 1740
2000 0850 0870 0950 1220
2200 0700 0720 0780 1000
0000 0670 0680 0730 0900
0200 0640 0650 0710 0900
0400 0600 0610 0660 0840
0600 0550 0570 0650 0870
0800 0870 0910 1060 1500
= AR

4735 kHz, 23-09, 0700 UTC
VVV VVV PROMRCh = 23 09 =
1000 1040 1080 1210 1660
1200 1110 1150 1270 1690
1400 1140 1170 1290 1690
1600 1120 1150 1270 1690
1800 1120 1150 1290 1740
2000 0850 0860 0940 1220
2200 0700 0710 0770 1000
0000 0660 0670 0730 0920
0200 0630 0640 0700 0890
0400 0590 0600 0660 0830
0600 0550 0570 0640 0870
0800 0870 0910 1050 1490
= ABV
VVV VVV PROMRCh = 23 09 =
1000 1040 1080 1210 1660
1200 1110 1150 1270 1690
1400 1140 1170 1290 1690
1600 1120 1150 1270 1690
1800 1120 1150 1290 1740
2000 0850 0860 0940 1220
2200 0700 0710 0770 1000
0000 0660 0670 0730 0920
0200 0630 0640 0700 0890
0400 0590 0600 0660 0830
0600 0550 0570 0640 0870
0800 0870 0910 1050 1490
= AR

4735 kHz, 24-09, 0702 UTC
VVV VVV PROMRCh = 2409 =
1000 1030 1070 1210 1660
1200 1110 1140 1270 1690
1400 1170 1290 1690
1600 1120 1150 1270 1690
1800 1120 1030 1290 1730
2000 0840 0780 0940 1220
2200 0690 0660 0770 0990
0000 0660 0670 0720 0910
0200 0630 0640 0700 0890
0400 0590 0600 0650 0830
0600 0550 0570 0640 0860
0800 0860 0910 1050 1490
= ABV
VVV VVV PROMRCh = 2409 =
1000 1030 1070 1210 1660
1200 1110 1140 1270 1690
1400 1170 1290 1690
1600 1120 1150 1270 1690
1800 1120 1030 1290 1730
2000 0840 0780 0940 1220
2200 0690 0660 0770 0990
0000 0660 0670 0720 0910
0200 0630 0640 0700 0890
0400 0590 0600 0650 0830
0600 0550 0570 0640 0860
0800 0860 0910 1050 1490
= AR

4735 kHz, 25-09, 0700 UTC
VVV VVV PROMRCh = 25 09 =
1000 1030 1070 1200 1650
1200 1110 1140 1270 1700
1400 1140 1170 1290 1690
1600 1120 1150 1270 1690
1800 1110 1150 1280 1730
2000 0850 0870 0950 1230
2200 0690 0710 0770 0990
0000 0660 0670 0720 0910
0200 0620 0640 0690 0880
0400 0590 0600 0650 0830
0600 0540 0560 0630 0860
0800 0860 0900 1040 1480
= ABV
VVV VVV PROMRCh = 25 09 =

4735 kHz, 29-09, 0700 UTC
VVV VVV PROMRCh = 29 09 =
1000 1020 1060 1190 1650
1200 0100 1140 1260 1690
1400 1130 1160 1280 1700
1600 1110 1140 1270 1690
1800 1100 1140 1280 1740
2000 0850 0870 0970 1280
2200 0680 0700 0770 1000
0000 0640 0650 0710 0900
0200 0600 0610 0670 0860
0400 0570 0580 0640 0810
0600 0530 0550 0620 0840
0800 0840 0880 1030 1460
= ABV
VVV VVV PROMRCh = 29 09 =

4735 kHz, 30-09, 0700 UTC
VVV VVV PROMRCh = 30 09 =
1000 1010 1050 1190 1640
1200 1100 1130 1260 1680
1400 1130 1160 1280 1690
1600 1110 1140 1270 1690
1800 1100 1140 1280 1740
2000 0860 0880 0980 1290
2200 0680 0690 0760 1000
0000 0640 0650 0700 0890
0200 0590 0600 0660 0840
0400 0560 0570 0630 0810
0600 0520 0540 0610 0840
0800 0830 0880 1020 1450
= ABV
VVV VVV PROMRCh = 30 09 =

1000 1030 1070 1200 1650
 1200 1110 1140 1270 1700
 1400 1140 1170 1290 1690
 1600 1120 1150 1270 1690
 1800 1110 1150 1280 1730
 2000 0850 0870 0950 1230
 2200 0690 0710 0770 0990
 0000 0660 0670 0720 0910
 0200 0620 0640 0690 0880
 0400 0590 0600 0650 0830
 0600 0540 0560 0630 0860
 0800 0860 0900 1040 1480
 = AR

1000 1020 1060 1190 1650
 1200 0100 1140 1260 1690
 1400 1130 1160 1280 1700
 1600 1110 1140 1270 1690
 1800 1100 1140 1280 1740
 2000 0850 0870 0970 1280
 2200 0680 0700 0770 1000
 0000 0640 0650 0710 0900
 0200 0600 0610 0670 0860
 0400 0570 0580 0640 0810
 0600 0530 0550 0620 0840
 0800 0840 0880 1030 1460
 = AR

1000 1010 1050 1190 1640
 1200 1100 1130 1260 1680
 1400 1130 1160 1280 1690
 1600 1110 1140 1270 1690
 1800 1100 1140 1280 1740
 2000 0860 0880 0980 1290
 2200 0680 0690 0760 1000
 0000 0640 0650 0700 0890
 0200 0590 0600 0660 0840
 0400 0560 0570 0630 0810
 0600 0520 0540 0610 0840
 0800 0830 0880 1020 1450
 = AR

UM05

This station doesn't send accented letters. These letters are either omitted or the letters are sent without a punctuation mark.

5345.8 kHz

01-09, 0559 UTC 9 (R), Ampule (R), D (R), etc.
 02-09, 0447 UTC Opinion (R), Bonheur (R), etc.
 03-09, 0458 UTC M (R), Cafe (R), Prairie (R), etc.
 05-09, 0512 UTC Kangourou (R), Pleurer (R), etc.
 06-09, 0511 UTC Z (R), B (R), etc.
 07-09, 0520 UTC Prairie (R), Helicoptere (R), etc.
 08-09, 0558 UTC H (R), Decembre(R), Foret (R), etc.
 09-09, 0451 UTC Solaire (R), Oreiller (R), etc.
 10-09, 0500 UTC Fenetre (R), Q (R), Canard (R), etc.
 11-09, 0509 UTC Etudiant (R), Ocean (R), etc.
 12-09, 0456 UTC CTE (R), Petrel (R), Classe (R), etc.
 13 and 14 Sept: not monitored
 15-09, 0612 UTC Itineraire (R), etc.
 16-09, 0553 UTC Medicament (R), Train (R), Lit (R), Planete (R), etc.
 17-09, 0807 UTC Avantage (R), Soir (R), etc.
 18-09, 1720 UTC Regarder (R), Alimentation (R), etc.
 19-09, 0628 UTC Sale (R), Arbre (R), Taxi (R), etc.
 20-30 Sept: no transmissions found. The station returned on 5345.8 kHz on October 1st.

DIGITAL MODES

F01

13467/11084/9052 kHz, 04-09, 1840/1850/1900 UTC

00000 +++++ +++++

5913/7992/11611 kHz 18-09, 1435/1445/1455 UTC. Interruptions in modulation

These are mismatched test cycle frequencies, usual test cycles are 5913/7992/10687kHz and 6957/9425/11611kHz.

76456 38371 00638 52920 31400 95776 35790 42631 16390 36412
 84854 54799 98484 88206 25742 45273 63343 86572 46034 75562
 51580 74884 39137 82395 50283 80838 79841 84241 69398 17134
 21459 75754 57668 79900 81727 06050 37807 43324 09677 85782
 69597 73898 50638 80936 42608 12741 51582 08274 37207 99416
 73980 68391 93561 35701 06373 77303 33321 12722 93829 82501
 79654 49919 26452 74420 58348 19256 54390 29256 55629 53125
 20710 44066 37431 59379 30709 50055 59754 58933 98464 15259
 24844 50364 38635 71723 62845 06959 95441 29524 43642 84634
 26025 62157 48547 34182 80418 75073 56559 84257 45226 93033
 24846 62569 43342 27233 68157 11691 06747 08163 66851 47939
 64668 95123 58223 36767 84255 98335 90816 83078 65951 74551
 46419 59943 80775 82374 59411 24110 41673 07389 88178 91788
 26147 94440 18247 73110 72334 46600 01857 88728 55738 77587

63646 16977 18786 28324 27129 45037 20408 83568 41672 22545
97820 49603 14639 41077 57713 78884 78399 87952 39005 52604
46894 47793 14376 57098 41434 50263 22764 15045 90421 87455
49987 57381 32692 49328 95720 46878 79156 50652 21973 89321
12421 47903 91282 93117 29099 69527 51802 63979 54472 08022
71472 43589 84209 47278 72450 31189 32824 23605 30018 47010
93555 43893 57109 23117 39360 09334 16689 34370 19712 18150
29844 04062 32885 45763 66880 45658 78411 25849 53313 26515
19405 80691 08448 64497 09437 74313 08220 53455 63645 86876
49798 58497 78775 33128 40029 26931 31830 75401 49219 25941
02017 01131 57426 42814 65658 66796 65470 48710 58998 25658
16250 00000 +++++ +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

Poor signals throughout the month at my location.

9128/7546/5113 kHz, 02-09, 1015/1025/1035 UTC

57099 43574 75344 38622 39376 01137 05683 61058 95812 57239
18970 07262 05264 94601 46052 92771 26936 91845 68013 37816
11075 20689 20851 84475 53501 62364 96354 94792 54935 47973
62602 47032 71030 52448 52534 72271 64083 96817 94021 98510
92332 38458 79878 94490 97792 54022 01259 30402 78565 44733
92858 97680 56555 18724 63387 55073 76537 30118 09715 93152
97508 79539 38154 34486 62260 05730 41316 11632 56116 22971
03961 90153 90758 83990 36287 28845 74098 73050 58114 94349
52118 58893 82365 72357 33613 62238 71316 42575 33797 17526
64026 09654 97680 33573 98405 07262 89176 82851 76345 17483
56867 74067 45350 72741 12367 87722 95116 32434 82216 79359
92487 51450 19260 80161 03222 82779 84422 49611 74020 81390
34839 59880 73244 01560 79267 16654 13757 04848 86727 46056
06340 20914 59294 02389 17104 28342 04997 76350 27351 47675
71742 08436 19307 63847 28222 37190 36175 20197 02722 37030
89943 51246 15784 25284 15382 46444 67647 43173 93667 62046
66423 40399 94080 23331 07917 18030 07198 84336 43051 09384
68036 37301 93837 03576 92563 89000 03797 41441 76038 46167
33811 38496 26593 77177 39314 14652 32517 42197 89762 35337
86659 08973 16340 93749 16410 96448 98813 88899 92671 13417
27494 79143 16282 84356 01223 15892 05313 79681 47338 87187
31686 92564 74553 25825 80540 29534 94675 61712 30790 07019
74114 23162 80320 71053 01112 16790 64235 82297 79631 40718
39625 33589 85852 10764 35258 92197 48183 04308 89670 83972
36765 51519 26056 61574 73373 28641 37416 23976 97677 33005
80404 79422 50770 44477 01296 69028 61937 03013 42524 93216
49576 57017 03222 08171 72214 62193 52200 84494 90565 35558
16817 45270 26556 94334 96146 25693 30260 34384 71915 21480
90688 27884 15624 18234 51358 44924 15298 18951 16580 28724
70307 11862 59417 79142 27688 45792 67233 24189 58404 05229
85781 84191 96992 02283 47754 58346 93020 27730 96762 88306
47796 28330 42644 78515 34777 02590 09069 77959 27099 32184
59361 53042 80678 91198 11485 06253 46313 00397 78123 20324
09229 18696 92800 32569 79502 89031 07965 69079 81801 80809
75993 93471 17878 96126 49037 49875 00254 31943 58655 04849
80534 15407 61168 17899 20792 54505 59673 95316 81447 71238
38661 06982 24096 09501 72159 70864 52713 34849 91355 34871
41678 68366 22629 10755 24043 21782 31928 39756 38506 26056
36435 94671 58502 70607 69449 48038 51867 95373 09440 61117
44504 02887 09185 73360 86487 82564 85953 97062 44053 64383
58655 46871 65898 44148 42907 58846 97236 47519 39937 78759
40050 33411 00000 +++++

9128/7546/5113 kHz, 03-09, 1015/1025/1035 UTC

68330 98909 77374 72751 66014 44688 77349 49419 40245 04981
97834 13672 04144 05130 39257 11180 78708 88381 84125 60903
65853 74834 60548 16446 73894 82602 16788 82570 18909 28372
92785 16586 50410 49535 99605 69286 74782 15100 42713 45124
74904 17554 50047 86307 49397 62872 90812 10519 19945 00857
95932 56926 80116 63000 16104 20186 84128 00049 78373 77122
98988 36466 27206 35769 68452 83977 60946 61461 62237 34069
00000

92271 55446 34054 75360 21201 61814 21264 22152 78290 10091
12642 08212 50454 60217 09727 25403 92786 41551 03712 26725
30510 56348 61610 00938 50861 32953 60972 89868 08360 45893
59067 78076 91890 45039 07474 09572 27043 61047 48026 11269
12140 79255 51036 27871 11393 99220 81746 97862 53632 22091
05934 25310 10029 32998 70621 27136 49268 70657 20820 60588
93596 01356 38237 60560 24189 39531 12909 41461 09264 82116
83669 43332 53396 48837 08407 26882 91456 45663 50047 47141
75617 93582 89189 60409 28859 89900 99349 44199 63425 35089
00000 +++++ +++++ +++++

9128/7546/5113 kHz, 04-09, 1015/1025/1035 UTC

Too weak to copy

9128/7546/5113 kHz, 05-09, 1015/1025/1035 UTC

91283 05762 06135 59460 66140 38495 13523 72344 96891 57014
95470 56465 27589 51866 31143 14849 84360 83746 49295 92614
74529 72831 43648 97605 08476 01868 57114 65250 42705 25226
95799 72345 67532 01097 58736 29462 87837 89017 94275 06647
70329 79922 19071 72109 55740 50895 60606 48590 59412 61818
09188 17091 08689 36105 90352 22653 90566 92698 93619 61874
08038 21532 18532 56857 68557 19630 23916 45264 53085 30041
91302 41172 39122 50795 38449 46427 76193 06061 43891 17159
37213 96701 68469 37083 00000

25135 54368 46474 00374 80224 73629 48465 71871 10949 21069
92921 21357 48988 37285 68837 98857 44753 50674 74915 56458
26511 16809 35187 20144 28360 02050 35818 67599 47982 16081
06552 29160 20131 23061 95215 54085 16762 86077 08725 09358
09780 24587 19040 03189 57308 89528 57492 50418 99433 85803
45934 21993 74362 96807 38133 45718 90926 90699 69868 50468
18371 13089 41152 71035 79364 95852 79010 55816 57172 36737
54280 44514 52924 29456 50839 08051 53922 48962 10714 67872
98911 21585 03513 36835 51274 34715 93604 48865 16062 65727
03490 69568 61812 34836 96804 38095 00000 +++++ +++++

9128/7546/5113 kHz, 06-09, 1015/1025/1035 UTC

00000 +++++

9128/7546/5113 kHz, 09-09, 1015/1025/1035 UTC

Too weak to copy

9128/7546/5113 kHz, 10-09, 1015/1025/1035 UTC

Too weak to copy

9128/7546/5113 kHz, 11-09, 1015/1025/1035 UTC

Not monitored

9128/7546/5113 kHz, 12-09, 1015/1025/1035 UTC

60762 41123 69327 90034 55395 33350 13940 71408 58395 51956
39753 38090 48555 29748 80001 77334 42483 26508 92274 45409
38205 90737 85942 98529 38545 20316 44229 96925 40227 51778
89337 24242 99648 32893 64086 89467 11233 58224 28483 03561
59335 72377 94682 43043 00000

9128/7546/5113 kHz, 16-09, 1015/1025/1035 UTC

				86	48	3037	44788	76764	36084	71484
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71 07 38412 8 504

39703 40619 10735 66551 84650 59306 23816 79690

36555 8766_ 98775 65135 41132 17930 90018 _____

43929 66079 9968_ 69470 89931 87920 71838 64045 26958

_____ 41262 48498 06654 59279 16524 22794 26550 93342

22172 39692 14401 49694 90865 25168 88438 _____

78662 85822 65726 71160 79769 14424 92727 69_95 03389 76281

28536 19596 03080 82524 20466 91722 70514 75864 78838 96131

26294 78421 84826 66598 53828 _4872 74975 26648 49715 58125

38306 18868 85_81 49700 87011 01_01 29269 12002 86477 44795

00370_4674 5_916 73416 55993 62233 75190 48585 02731 35140

589_3 80646 91781 415_4 84218 10155 41050 21792 81561 05357

61376 53105 27061 84161 85111 86266 94880 81286 00610 11849

56910 30272 81030 97972 40337 75037 60895 66829 79056 74686

58837 02180 19868 78228 69973 04982 69390 02917 76351 39357

92642 70890 48897 3_076 99287 83801 393_0 45752 77994 40116

85282 58925 _____ 62794 08849

32246 _____ 25902 98583 46891 86380 65884 60252

74074 66783 41800 66655 26807 67231 93251 97609 88255 98702

26575 17001 13843 93501 535_8 10114 36703 25832 63064 89458

95759 46140 61505 21087 _____ 59228 47621 98655

7_847 80343 62625 33600 14180 09873 9873_52085 74188 38220

326_03_985 _____

_____ 70778 82923 81866 20143 16653 86488 05334 39026 85492

36312 50048 77978 44184 84470 39648 46486 71575 57318 _____

_____ 37217 68737 88835 18440 20151 62800 99759 94370

97651 96091 77869 56739 36480 64501 88028 31996 54498 60440

_____ 44110 27538 15579 96142 55082 26989 _____

_____ 89693 45403 00000 +++++ +++++ +++++

9128/7546/5113 kHz, 17-09, 1015/1025/1035 UTC

60245 56009 04881 92310 33800 32893 61318 66921 30582 43555

88918 78984 74398 46065 48210 57102 13026 78116 96679 08794

59517 57288 58828 14552 81255 20083 90084 91144 35203 91908

95499 28840 72776 05219 89164 32248 62792 07973 05287 19454

05910 29623 96867 59149 39025 96806 82912 50437 53035 15935
30113 74995 72419 64857 79942 76297 70082 60803 57094 45564
15880 96774 20213 19150 82277 63589 40836 17033 55572 99749
21512 46071 00000 00000 00000 00000 00000 00000 00000

82255 30217 92341 14869 13602 95703 63062 82464 09337 02124
28708 52546 39636 06090 76035 52341 82797 84910 95653 30266
32828 43263 59180 60507 16114 65299 23468 82864 84355 48074
41554 76274 75967 77283 85046 89471 63113 31204 07616 77213
26581 23808 04293 15505 25672 22968 46251 94270 55301 04699
95766 10906 07491 29372 31042 13135 79439 50842 35580 64637
95376 94416 31794 31854 34354 64615 63548 15427 81197 68649
57307 74703 42786 66565 16589 18751 96842 83975 29402 62302
65448 48339 93365 70087 30432 34705 88187 37980 32858 31865
50192 47091 00000 +++++

9128/7546/5113 kHz, 18-09, 1015/1025/1035 UTC

28456 47055 29618 61176 92305 37710 53870 07172 95071 61089
46557 89674 03622 87454 13541 85831 17832 61857 83472 30855
48601 87993 95815 01929 56133 13339 95228 33846 46899 07718
93231 71085 52731 52543 83084 85987 40489 82868 18841 17742
25725 49470 94491 11857 88786 93129 84141 64806 16807 48318
29160 03543 20008 18457 83249 54555 95751 89947 51351 82169
38793 77167 83339 00777 21155 15593 08442 90667 90071 45275
21315 72175 57434 51818 55722 17800 79179 57076 06743 07016
48061 76734 87455 53433 48226 86984 31033 59022 45061 67457
74180 75063 08713 12621 82865 74530 94751 28819 06265 65586
30396 59143 65873 00880 79736 03327 43712 62325 86410 24838
46569 26068 17147 62377 72215 37301 54632 87951 48528 49644
13132 78716 65462 08755 75297 94780 32813 84862 73605 80149
53690 83924 64867 29004 24661 92075 71234 84501 98487 33068
86149 62273 70404 43387 68680 15830 73855 94732 74661 86041
96658 18547 98096 01887 53505 12284 21250 24659 75747 32103
96864 52823 04416 01676 10955 29698 97382 91795 99589 21160
86639 50473 18132 55550 46595 88209 86342 42988 59357 48129
57814 16253 87914 15670 87150 60440 93178 47505 93335 23581
55798 24394 42740 25393 88702 57645 00189 06379 51310 03885
21531 84431 01319 67801 86152 11152 45052 97582 92874 45061
72261 02703 67653 83895 86345 48764 56550 23167 65917 09083
02382 33185 18655 77689 28504 71723 13376 73453 78162 74513
01273 90000 82844 90760 62240 71123 58072 55872 37247 16368
50079 18569 32674 46478 81801 64591 07564 83394 71615 04163
79715 24496 23279 15423 11571 15758 10493 60992 61820 53530
04532 19880 13665 69613 18382 01903 15680 79325 65810 36818
96214 97239 58825 55346 37263 50292 91946 04276 18745 42937
86728 62841 69131 54035 94979 52557 83363 70178 84103 57688
93985 85119 53015 98569 06444 20007 52057 24924 34477 44102
05352 21409 96551 00682 59041 42537 59257 67796 03839 19196
38626 08580 45335 03927 95285 90802 20499 47162 84410 80342
83796 21615 46383 38278 11394 36986 49128 76274 96846 12207
18035 49963 36743 97376 14418 94993 29718 62602 48450 35451
37289 95913 37509 19325 79942 77454 45863 60713 66914 22129
66652 93454 83095 07886 32085 65874 81509 31846 62799 31326
54788 61442 92317 14232 84092 72765 27536 56286 88910 93310
31197 72532 26172 91298 37255 71986 12119 78774 35107 22497
65365 20656 83592 64533 94585 66928 40729 03589 79269 50179
20102 35880 16984 15637 09850 87040 35572 75933 15190 68482
93735 07748 10414 81128 18425 32539 11291 21191 52499 48548
03827 48411 00000 +++++

9128/7546/5113 kHz, 19-09, 1015/1025/1035 UTC

69362 20818 72227 81379 20039 64546 01866 80949 56705 51640
04483 71466 04928 13421 29135 35483 38871 02721 25021 19178
65277 07529 78447 60887 84889 51836 85814 99816 54743 00883
48583 94611 99787 12977 01150 06486 47249 05095 07566 26579
82197 24431 88051 52244 47730 43089 61217 41955 38231 18119
12965 03501 59127 84057 27965 95178 51593 70184 44686 44662
05627 59675 19892 15227 09950 32825 13541 74033 12154 61558
30047 42143 87545 47380 76813 30966 40114 19980 25996 94812
84070 38667 90425 54257 79386 63824 49627 69980 19777 90566
86871 71795 96563 61802 23205 72528 86848 49097 00000

33440 74908 27830 18400 16425 34193 95183 55440 31025 94331
32248 26037 27465 79274 97906 95284 59615 75332 83555 94348
29268 96333 57622 36838 36771 80515 68789 28641 98940 23844
31339 88399 20195 79447 41060 20820 27856 77847 95167 10005
07537 47682 14661 24983 99579 41603 92556 54644 42449 97035
16443 14250 74051 86488 38787 90716 26891 37107 93429 18852
78014 24145 81715 05744 39682 68055 76683 45468 01693 89877
18765 91330 61310 04618 01423 77806 01724 57302 70166 09377
04982 50081 00000 +++++ +++++

9128/7546/5113 kHz, 20-09, 1015/1025/1035 UTC

00000 +++++

9128/7546/5113 kHz, 23-09, 1015/1025/1035 UTC

_____ 25338 71946 53241 55023 9964_ 62082 99997
88316 95352 05251 31048 80075 _____ 97385 24347
58747 92513 14153 31222 10176 44199 91679 46295 82418 88135

_____ 36406 35728 75376 65897 90258 47728 22801 08792
768_5 57541 37798 21133 63910 12551 75611 45817 74319 43953
_____ 76330 82737 08_13 _____ 42897
17508 41521 1093_ 02499 96795 45031 67275 95253 01198 97443
17552 68877 86266 36342 23885 79948 39752 99785 48025 69538
03508 54524 86_95 06122 31799 06341 14556 81716 15743 40967
87521 72178 28536 68958 56087 97553 71182 73248 _____
_____ 81588 79514 30352 29298 16499 83253 37699 72866 86374
82143 26482 22346 31023 38824 12909 48789 30793 55402 84336
48140 36165 13161 66_99 21612 88448 69801 78932 94075 30424
06380 37438 75106 30354 41147 93009 92402 67823 52466 14686
_____ 82360 53625 32401 73210
10389 79246 49896 17710 682_0 97241 39642 51911 9976_ 22481
32797 _____ 82482 10594 30221 33205 44856 741_5
_____ 76699 80947 11335 65447 14178 10004 31775
87649 96178 79945 06082 06693 51507 69939 86749 83347 00487
38985 30764 87421 92149 05671 73128 79435 29826 69819 03856
38745 33536 18224 65388 94523 12639 81644 06297 39980 47176
35268 52423 27365 01345 59810 81042 87024 17527 05448 09329
11260 64338 25778 32872 91075 37105 73973 75226 07700 34229
78338 34441 08970 57861 39452 37497 25269 12335 16067 38589
047_ 98788 91979 22199 72189 29419 41035 96888 42195 09798
32472 90749 39725 62692 43775 84456 09339 91830 73252 42852
16824 09045 69486 31005 73242 73226 19888 25677 36019 14544
65500 58144 66773 42342 34275 49293 50_78 60176 09587 22945
06326 35405 78975 08343 42901 03838 21919 67732 40842 86684
42802 09978 64168 78576 52285 76150 32088 19758 47655 08032
05239 47088 56543 39460 66178 15227 36606 43458 98797 12451
48340 05097 9_345_9533 43239 91002_2758 8512_3446_91476
16970 16088 42230 12137 14907 06193 31067 29046 68843 51642
81187 14237 68803 26848 61109 _____ 93735 16012
60927 _____ 12000 95369 93853 19186 59078 92968
00982 91027 01920 38525 51455 86428 _____ 25422

49660 37128 49234 25528 20403 59768 96421 78862 00955 18863
20740 79830 88859 52205 36528 04047 35844 14207 69722 24912
09458 02844 86348 28288 92699 76542 70710 71510 26323 84453
70477 77570 23455 58527 50854 74707 11539 51407 00000 +++++
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9128/7546/5113 kHz, 24-09, 1015/1025/1035 UTC

Too weak to decode

9128/7546/5113 kHz, 25-09, 1015/1025/1035 UTC. Partly undreadble

45686 27523 80415 66851 51126 69031 46511 25178 57291 48979
74171 14699 19097 19548 87358 45535 13690 74165 66666 62913
53507 81535 63203 35342 20912 27574 52031 40544 91602 01192
04837 47579 38974 84870 86535 18594 36628 35915 00584 _____
_____ 79285 44823 88454 _____
_____ 18900 81451 91869 44265 76841 42954 78472 49810 45084
88623 38373 53475 16144 67260 46606 61572 49777 93645 32024
68141 40084 32782 67179 48620 02609 29164 83409 79003 88885
73251 71950 85180 51862 22336 57030 52127 10640 17991 51865
47659 87965 67293 33509 40420 18922 79996 97484 16791 54234
78854 78139 18364 56311 33138 27481 15697 96286 16249 23416
32483 _____
_____ 23820 71271 64865 _____
_____ 20293 49717 16490 69238 55567 65869 _____
_____ 02542 12439 53209 _____
_____ 51905 53623 71191 86851 11602 14148 37702 18680
10149 78037 83523 32681 69755 49771 39112 _____
_____ 39459 10796 88880 20037
73071 17380 24097 55941 93398 31550 00093 74033 36437 19685
55761 78813 49854 20973 66321 17744 02773 15086 75420 10491
75729 90726 31620 00142 60503 63490 71478 37328 24481 16492
16390 33197 19278 62165 75387 42171 38267 48713 71091 60426
52740 59604 30984 51035 81348 79588 11208 31703 72553 25644
45072 86038 04731 66311 33452 84304 _____ 24574
42081 10566 13232 30227 70869 64053 63068 64747 36842 94265
83355 49729 66502 01373 88211 97052 00664 71545 93999 91146
49544 71179 84239 82300 03039 17009 _____
_____ 92197 30213 52880 15998 39699 19809 58466 17799
47263 96417 65438 22204 66530 26523 22598 30132 61645 03572
35827 39227 37005 05488 49402 19189 57691 15560 44208 71584
92259 55158 95030 85067 32583 01692 54122 21942 70433 90259
53218 97015 35487 22444 41203 34673 24444 30648 99609 15108
75950 71456 03134 45659 71006 46428 17355 18173 63552 73769
50861 38348 70913 59324 03941 37978 78800 40319 81057 06056
40549 00296 59274 99651 75279 78678 29827 20523 94672 23402
55025 68372 13050 60049 07674 06719 32043 47592 28205 02290
23296 42504 15705 23897 82652 24722 98010 11711 _____
_____ 52896 60337 38870 08899 24524 48220 10520 45802 89702
14461 28505 94936 57883 00226 43263 06517 45246 86984 39954
70373 96136 47408 11692 75885 51460 31129 07100 43488 75003
40051 25618 94962 73585 72901 54415 00000 +++++ +++++ +++++

9128/7546/5113 kHz, 26-09, 1015/1025/1035 UTC

88253 97629 64596 17456 84899 27908 47209 66606 10987 59540
08916 80649 47720 70599 75304 38674 21268 20621 62493 88433
81228 86662 76150 35193 13555 71715 72322 39638 98905 40175
53529 92068 52331 60045 98535 55044 05252 56572 49266 91670
15659 06985 03275 21726 17470 31046 85223 72797 44989 57081
95805 18633 93394 68194 61539 21884 01209 58333 33887 23427
65668 52920 11121 45464 26951 73709 81387 00568 82177 52577
10391 23883 15148 23923 22153 70649 52727 50370 46271 46254
83835 61458 30122 60985 01972 10005 39435 55087 00000

04393 80213 43154 69443 45856 12942 99369 41018 94387 99796
09217 41077 13543 13608 87119 68085 02365 58169 69891 70339
98507 77580 32204 67082 02543 71548 31849 18532 46899 33836
70717 74543 57869 56035 82436 56554 84117 63872 82611 52524
90133 78203 42596 29555 38061 17920 72743 93868 06341 86927
26053 52834 18615 12400 58184 58738 81318 26480 04739 38983
53396 08638 61773 42385 96593 30855 80474 56290 79744 72825
11924 74170 35506 99365 62902 18389 92964 17226 48672 47843
34572 53472 53660 05150 50819 56085 00000 +++++ +++++ +++++

9128/7546/5113 kHz, 27-09, 1015/1025/1035 UTC

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9128/7546/5113 kHz, 30-09, 1015/1025/1035 UTC

09240 90874 49597 37878 94597 62086 85328 87189 33063 11905
11609 53257 80377 51620 17213 72960 20038 69207 69437 94874
30338 08255 21839 39879 56847 08104 72334 _____
38653 71014 41307 14029 24789 02917 62352 04618 98301 _____

_____ 16664 79645 58925 07601 89308 99418 32242 04928 22150
57062 99646 97945 67522 86774 69804 _____
_____ 09470 81336 44206 85636 00192 94951 28614 70871
50051 _____
26814 67162 65473 85808 85991 77518 03568 77670 01393 80577
77171 77357 _____

_____ 14911
00553 87272 95584 46462 51284 71724 01403 41296 93902 25779
70467 45628 59948 44249 38352 25130 67686 63678 84032 34486
88674 86824 26618 60865 83821 58803 67626 71008 57611 _____

_____ 48113 94730 55644
08053 77865 33681 10992 36112 16489 26926 20349 10952 92970
30810 97437 36217 75705 13159 85668 25311 88527 52205 46483
11892 06923 36382 52102 82331 64097 13439 24850 41095 21606
62314 90247 44959 84210 86191 36062 67023 63671 50190 94509
76438 21145 12121 89775 44795 42887 19741 80680 11128 94572
97812 52366 94376 99520 74464 89079 55500 48700 16978 78766
59765 00236 81068 08147 35560 45062 41410 25551 74418 65243
05262 27026 30283 74025 31512 45271 32929 26699 03718 08587
51480 81944 55583 62041 68963 18352 72327 68023 53838 35810
16355 28379 39431 96440 50689 95318 47225 84773 58601 63283
14924 91845 82851 58950 15249 52918 33015 71577 _____

_____ 63184 44901 80621 62964 65212 52644
33387 93139 87631 41496 56643 80472 59933 83048 73888 60509
61093 53397 46733 21934 12732 26647 50659 41941 74722 46661
02507 67404 69785 43821 13056 21536 35540 89006 25644 40720
27423 01962 26754 71214 20934 56241 39514 80396 86620 47933
60466 22481 _____ 18801 90174
30426 _____ 57521 91733 29259 _____

_____ 70309 43105 03372 20447 81048 67718 82086
97633 11891 80754 12781 35601 08885 24835 45448 43772 91379
32918 00918 81437 06589 69849 22333 33922 04164 74003 27126
91195 22984 59962 64164 52353 07334 68170 05761 04423 94667
72494 29234 48917 42140 81635 67709 74585 84097 95321 34846
99789 37707 01228 53170 32943 98927 23552 40720 24464 95990
59191 35671 08691 92595 62454 63637 58992 57993 64242 36643
23339 85477 51219 38872 15451 32806 57439 00000 +++++ +++++

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11538/10614 kHz, 02-09, 0240/0250 UTC**13370/11538/10614 kHz, 03-09, 0230/0240/0250 UTC**

39768 51653 04824 83480 86096 97545 30042 10892 42557 40818
 71088 38670 89778 96610 38606 69707 65637 46362 75110 68220
 24399 02302 21221 09650 79956 92358 83943 40806 00325 01416
 86681 48713 45603 29844 05690 61582 66576 55268 22622 30340
 06147 08490 47895 64178 70790 99498 94535 18531 64217 54538
 07200 86681 48713 45603 76057 49219 38346 54979 90232 37411
 05235 15835 10477 37885 01050 47982 65765 33100 00956 16573
 03518 43423 98165 19572 48106 38446 54295 08309 47361 88257
 49439 06562 11751 78075 49124 14116 75918 34713 30359 05732
 37279 38289 33945 61464 51350 17631 35244 89258 88506 52808
 50600 25782 81849 33234 21578 26397 20879 44763 44236 80255
 70654 84244 35595 11405 21124 24938 54510 51886 96328 81255
 19117 97728 78146 46258 88054 83796 24283 00341 97638 38428
 85180 14542 72186 03782 49547 96928 49664 32859 73184 55480
 89867 99114 70797 75914 57293 79603 75492 37891 95918 97602
 95625 18033 38055 35645 23711 53202 14475 54892 77062 62467
 57996 81804 74865 51197 17704 48022 81355 45725 26016 94414
 69804 32011 85758 75226 86989 96751 69453 23253 22843 94364
 47995 61995 14959 88294 90920 75719 42661 40064 05432 73371
 90293 44525 06391 07268 84455 34737 34455 32513 34831 04906
 64535 18083 33335 24831 71789 45493 91239 44301 47306 56014
 18973 10851 80699 32355 78292 49353 51773 25752 61498 76851
 98459 64417 77391 51093 53213 04258 48653 76183 65055 07830
 50341 13812 49440 62445 44184 73479 33152 73378 88367 80172
 86396 93109 27493 42903 59302 72537 92399 72583 64987 45105
 64538 22636 76408 79774 84584 50811 29162 63778 09977 25621
 47431 01108 51067 25850 35259 37646 40571 06558 00352 48909
 16010 30037 02583 51322 19828 85138 44386 22960 46868 43421
 45245 44704 93905 25548 67439 97751 02286 00000 00000 +++++
 +++++

The serial-GC postamble "02286" contains the message date (2nd of the month) instead of the message serial number (presumably #94).

13370/13370/11538 kHz, 04-09, 0230/0240/0250 UTC

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13370/11538/10614 kHz, 05-09, 0230/0240/0250 UTC. Wrong 1000Hz shift

31238 71034 42284 50523 29908 34033 96822 77499 18921 63323
 32271 39063 45149 70389 66660 03484 15438 91971 71271 40015
 15398 27783 77942 49244 29860 86521 27900 00541 00925 19877
 60986 71635 84547 49204 65455 99071 91598 14568 46628 95755
 24329 00835 71409 88768 44188 20503 03540 78033 31927 57960
 43156 30234 25917 04855 22397 50560 49641 41263 25958 99473
 64265 42350 63344 46681 07280 15205 31389 79504 03044 95535
 56895 07828 56333 58924 51429 32818 64658 26307 61547 71602
 10409 68389 09606 55090 18705 38677 77648 41121 91911 85795
 07785 10143 56754 52807 17519 35590 84966 84208 53453 46155
 73411 10274 31812 22150 94607 23469 39212 93123 53617 10592
 92135 28555 12201 17335 78517 41573 66209 78992 29917 39516
 87126 71900 97674 02517 63718 65446 31524 68280 04708 79200
 84077 48671 88429 74930 89627 17470 70392 38157 50702 36910
 84686 28960 10819 15167 00181 06700 56852 11985 17441 58357
 79482 34651 17306 85172 25143 91475 97062 27274 77906 94984
 55161 30981 14753 32008 10394 88469 62653 42848 66486 04491
 50908 76714 58048 69828 97176 15625 38789 46177 50632 83940
 97974 92139 40688 85740 16030 85021 04729 37212 95253 18115
 93274 86246 26551 78159 76033 36439 78156 32666 97264 17656
 17253 81784 53899 70384 00445 54425 94848 36030 94029 53288

64942 70367 09946 78521 41940 22315 68444 84665 40033 45231
23316 50601 78299 32924 10660 67160 37536 97546 07136 72105
53899 31580 08617 87163 22808 21082 65195 36789 11536 02397
33469 53362 03932 79505 32053 98495 25706 44213 11256 55139
23719 66351 72839 70181 97716 46186 00836 52218 07940 46228
89311 54190 07055 44618 78066 55567 69827 77282 32160 03775
15005 61049 26234 79541 70811 14907 19559 15868 48517 21592
32731 25286 37512 96702 61977 55113 80320 57514 91987 95382
34987 08651 93227 09132 45294 87078 14652 39747 96217 32771
07774 75046 53083 78626 43017 72780 07853 75435 04286 77258
80966 94915 72703 81765 52203 77728 35442 16470 88971 18703
80589 66513 05482 06455 63987 49954 71242 59585 58985 10268
92296 26647 25034 03083 13661 42079 56070 81846 96391 55269
94620 12098 07710 74563 22568 69046 27641 96183 64512 98134
70588 01860 95352 00000 00000 +++++ +++++

13370 kHz, 06-09, 0230 UTC

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13370/11538/10614 kHz, 09-09/10-09

77095 03724 08358 97132 34671 43929 89286 92592 22601 19447
59790 77565 49078 56665 53937 08001 96945 60305 22845 52075
44957 88464 53656 03763 29366 29317 96791 37908 13036 15419
81209 05235 54256 36539 22335 90744 92457 36568 52345 83920
93003 08241 27518 34192 18251 13200 92310 90089 17074 02344
04866 45525 50029 08409 53633 41645 92350 30093 19786 97678
81963 40898 65137 69239 04716 83989 50216 57491 33985 39039
12223 17645 66889 71971 57523 40195 24249 03568 48387 03365
06516 57841 88651 20160 22845 76147 37996 28508 35496 07948
09521 97884 86759 14170 30310 50899 00580 44112 69675 23240
76085 71809 64757 10451 15193 02814 98182 74957 51483 87327
07456 11780 72532 00614 30781 96378 52892 76631 18989 63070
39895 05837 68277 87439 59489 33073 53426 71197 34269 16503
66197 52918 30905 33508 88597 93090 79163 44505 55685 06924
29679 50599 87620 43349 42701 06038 95645 33641 24974 71369
91667 58114 56951 18280 56150 04320 77535 22010 43993 15182
18515 02322 33082 50519 05903 98929 45207 10374 70359 92345
94031 93601 33873 06067 39797 90150 64910 51055 55451 30469
19206 98437 33901 40481 08381 91358 91049 75562 63589 31944
44335 31961 86361 04290 71438 59097 03850 96197 00000 00000

45773 97562 40330 98480 61907 22900 74620 29342 20193 68893
50762 07618 32920 06737 48430 25219 02287 35682 80161 01253
80942 79488 42377 80874 84964 45090 77428 89305 82724 60645
32634 70721 08064 35180 27209 66687 71224 06988 63054 13833
65971 72999 40326 65451 96347 16291 63728 66713 71488 73918
50463 38186 41944 12288 75787 47326 75945 02214 17090 72668
99045 10884 82458 90360 45575 52904 34641 37761 95359 67610
46369 33763 94121 14840 47952 60558 81012 06343 53104 36503
71715 15035 73930 34790 70542 29258 61005 27604 09986 44256
29493 60462 41138 08045 57232 86408 23431 63857 65740 14764
87132 56366 20060 54110 67031 93862 08391 54208 30749 83571
87442 76519 50122 82308 04456 48035 89087 29654 31809 78092
06505 55826 75171 42861 97367 81463 41123 67203 20819 51474
75181 58573 88427 70168 06186 72664 97136 00000 00000 +++++
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13370/11538/10614 kHz, 11-09, 0230/0240/0250 UTC

Not heard / Too weak to decode

13370/11538/10614 kHz, 12-09, 0230/0240/0250 UTC

20549 54400 73528 05539 07645 54327 23030 40579 11415 70628
64735 84845 35160 70073 58830 35976 25641 04319 27831 12719
82426 25381 77694 79238 73193 30895 67862 64058 72172 25095
59906 52064 63924 06452 99481 13014 79643 17915 11269 94991
58156 20683 11589 06234 48822 77449 68379 33775 98515 56062
63229 72352 89877 89520 35147 61994 23022 53271 10750 57738
57887 45716 50574 79924 59423 82883 66186 18480 12791 43859
87773 89655 00779 23289 86920 68632 60604 90757 84243 46455
62300 44875 96575 84707 75878 21112 03393 66390 19434 00459
37164 66417 05414 09470 27313 90189 27197 21965 52486 53664
53216 98330 80801 03366 20765 23355 02781 99784 46714 28538
86636 12579 97305 09808 10620 01042 84214 76587 52097 78254
79067 93147 38060 82367 63613 98179 86741 03453 57714 13528
95039 39353 92362 78024 51426 78982 19909 67355 79029 36493
78674 85897 38583 84770 54154 41473 45925 61675 03985 38944
83737 47478 38873 53592 12205 36926 76666 70231 08290 54369
11752 98965 88317 85399 66985 03558 93531 23426 20317 03323
43340 54624 23317 34503 85919 29716 53779 82047 00870 95988
69601 17738 33606 88012 56114 05608 66177 00489 84060 60573
54203 91657 20402 71235 84601 90716 59152 22769 33813 07680
64409 80855 31198 69108 42788 22585 57297 28166 87430 25268
31642 22428 60789 49092 69804 77873 08367 74572 14371 82516
20599 80718 69536 78097 85068 74855 93986 43281 96243 10061
31781 66792 14918 51113 85503 33937 94546 74935 64178 74933
16667 16434 52243 48501 02583 95687 93247 59138 93517 87428
78989 31533 16396 18738 82158 90533 77467 98257 00000 00000
+++++

13370 kHz, 13-09, 0230 UTC

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13370/11538/10614 kHz, 16-09/17-09, 0230/0240/0250 UTC

00417 80411 88039 55896 26033 67208 81843 05164 29356 97581
46524 12859 90377 20771 79742 99594 98651 92050 70346 46981
24121 45574 86342 56264 54042 97785 85711 71120 50726 54836
47229 00555 09754 22442 13511 02827 23376 41617 63436 16353
78773 98729 56163 48523 45868 83306 13911 58353 34374 92030
35696 93937 24768 02370 59221 70610 02884 64267 13085 00779
52799 83339 26521 11345 87714 94016 88836 09668 23503 46057
75754 83999 24632 52881 84825 49320 77126 75162 47123 74541
68279 38103 07384 51971 77777 05843 89796 95019 09952 61432
91629 75056 21820 65816 71866 33367 26621 94245 27060 29145
77524 73582 71567 09456 61205 68911 64383 12115 55964 92909
49730 37404 34095 36407 03608 49586 13167 43576 03495 94128
85927 80186 63372 41598 83507 68366 01274 94147 51607 86300
31538 15540 44364 56311 98960 70641 65581 69757 97021 85330
12010 22179 37391 62751 98363 57145 62882 16849 68765 42219
21056 09136 24305 25498 40655 99610 21395 46154 78058 47777
20620 97413 25941 24702 90756 65421 01329 22036 97660 92417
55238 68956 32701 37666 71082 92951 60436 34583 44033 85386
90214 67482 58533 57802 01389 16398 06133 99861 76827 43405
10852 74906 24419 18883 54249 14039 91252 11155 17381 94680
00155 87954 81842 14542 63289 03128 57089 96938 01208 00000
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

92431 30359 15343 21200 01303 11508 13927 22777 74635 16227
82008 56585 65676 56333 81560 22024 94057 18150 60009 10203
60224 03381 98296 63014 34556 43498 26624 70592 38399 73621
37550 55581 59166 76794 51154 17661 66719 34615 11923 36763
23195 45148 22073 58418 03486 94064 40982 09668 68548 89932
05422 18976 58734 99619 50281 38591 99322 44714 34461 92780
35453 44932 01636 00383 38638 19430 30567 45115 52043 81561

54647 92067 66726 90824 55381 73834 46025 39528 59472 94705
40266 99121 94209 26363 59004 48118 80849 93517 92965 50959
70667 72930 02882 70941 53373 54243 17406 28566 92581 36069
07309 41229 68015 55768 28118 05195 29138 76356 48409 05797
89899 78982 05927 66796 19280 34402 58729 74842 07325 51902
23531 39956 11354 29095 18454 78003 12037 51037 52342 26067
34013 12094 27868 26665 10756 59005 50571 41764 98360 78569
61065 82507 67946 78402 32560 65603 31353 34195 00912 32317
79840 01917 19375 90988 40445 18393 55253 69037 79714 38700
70633 85356 09487 83821 54379 79075 74409 96980 97597 55598
25879 32121 29733 35858 12105 22934 57507 19747 99178 00000
00000 +++++

Interesting one. Generally speaking, F01 and F06 message serial numbers increment from #01 to #99, and then wrap back around to #01 (serial #00 is not used). The last message previously sent by F01 on this schedule was #98, and like regularly that day's transmissions contained two messages, so here we see this happening: they sent messages #99 then #1. However, message #1 is transmitted BEFORE message #99, whereas it logically comes after it. Was this an operator mistake, or does their software automatically order messages by serial number? (PY)

13370/11538/10614 kHz, 18-09, 0230/0240/0250 UTC

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13370/11538/10614 kHz, 19-09, 0230/0240/0250 UTC

Not monitored, presumably messages #2 and #3

13370 kHz, 20-09, 0230 UTC

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13370/11538/10614 kHz, 23-09/24-09, 0230/0240/0250 UTC

58152 41113 56200 17648 02916 84267 15429 64960 64758 67050
33051 50799 78591 39395 10560 16785 98290 74553 08627 13326
86137 10084 20783 11754 92211 38543 95620 59119 47153 65069
93486 05362 16755 74058 88566 57528 91788 72092 52333 40727
11545 99343 79269 70512 44485 26608 40817 66373 74466 80182
78486 61037 65972 61751 72065 85246 06779 55487 43858 32724
51505 39543 84898 34993 14481 44129 14081 00750 85359 23354
06127 99479 65934 33029 49346 93990 51574 31613 19114 51569
05728 46491 78012 88426 00939 72772 38573 27144 24792 96791
49541 71784 74243 61513 91629 30377 86768 16011 93669 39440
81762 16213 05120 70257 10630 69120 85847 21566 39006 37649
99147 28366 09543 48320 18912 41528 58701 68964 86892 57891
85985 48626 81017 05535 99046 36878 80658 13912 83117 24701
39820 23539 68192 74144 04181 14915 92395 28943 32902 61379
84990 23268 11182 35569 17441 30824 64452 24186 95986 21458
10178 30749 94155 17472 08198 71024 48656 66843 95527 90812
67089 75509 16584 60795 20905 65935 84743 28117 22060 54136
36200 29385 06802 62335 62039 94796 75017 09469 29466 98057
58581 46695 28143 31789 17161 30125 02553 13113 84877 47932
56344 49102 16308 44059 39572 16776 05221 05685 54803 37341
74512 06650 42996 49350 60775 24028 35105 10482 41926 70032
80347 82615 81338 06433 87063 79895 86922 33690 37119 84474
08578 71976 59773 59618 22462 76285 75960 14856 75521 52803
48919 02878 88705 68746 02106 52854 42308 72836 90329 69866
91886 68607 35052 55139 88171 07739 59779 26764 99425 95588
86491 45595 59684 26124 79045 76010 91299 88434 44487 36223
75254 12016 28211 17831 67654 43003 63906 79290 85861 68561
64223 43008 12679 31597 63100 50726 92054 02993 45693 56905
14716 03551 26831 64773 17190 92831 63953 34743 42633 67068
15452 19882 36924 33359 80362 08116 04296 00000 00000 +++++

11538 kHz, 25-09, 0240 UTC.
11538 kHz, 25-09, 0250 UTC.
10614 kHz, 25-09, 0254 UTC.

Message 05
Message 05 transmission retuned to 10614 kHz at 0254z
Message 05

13370/11538/10614 kHz, 26-09, 0230/0240/0250 UTC

50103 38655 04776 74472 54880 23777 63809 72995 45417 71828
09716 74816 36178 34991 77697 02407 46822 23061 49224 00595
63867 55515 31131 25791 55575 79694 65276 88050 51000 09789
42211 13148 19132 66306 17284 16866 09074 20721 52629 08676
37198 74984 33466 66997 32206 30587 32159 53235 74038 26854
18462 56763 87569 53175 39399 88059 77026 64844 17202 62175
12068 57191 38763 39715 01456 77718 35021 17531 15270 80898
73726 86311 41588 55343 14029 97244 88583 78022 96311 04964
67961 75215 65725 78935 20689 94897 52839 00505 70943 20231
59869 87762 19220 78864 25910 15442 10540 27712 69595 22012
38690 17919 32655 21173 72441 69679 72777 59930 14672 11613
79226 90441 30337 64375 09654 47814 04231 73198 71536 51054
14463 19038 96684 69342 32601 63029 82250 20836 86409 03924
96678 96165 46118 53207 74033 23844 20175 57580 45151 19739
71396 23485 79035 87829 89472 23374 32950 64410 80758 88407
34639 22947 61282 17258 45116 81755 63917 55717 75450 81712
95654 26798 56004 26162 05904 15999 81539 00222 51770 41446
80647 34639 22947 61282 82932 20603 00241 14064 82379 50051
94402 48667 20359 94735 41663 53696 36694 70154 76437 60775
62235 69203 31428 49594 51369 18482 87953 43341 77914 51512
10769 26488 42830 41030 78270 39640 67176 57547 44072 31111
68769 46375 90852 69932 45966 40284 62430 49973 17012 50008
84994 39860 88392 99751 13442 58385 50631 99920 63742 80095
24964 74239 17275 00732 09322 83444 08083 17239 97085 12763
28964 01993 67010 15332 17363 75969 67798 28772 06969 10519
45725 07093 55980 12442 88773 35112 87975 72055 85713 17586
06304 78934 23553 60234 67957 35015 71811 84847 27857 19750
27043 45660 89474 86999 16055 39184 22750 98358 81252 24687
35227 22577 96551 97500 07353 55804 87292 82352 27867 42301
52599 38895 90234 00346 13613 05295 00000 00000 +++++ +++++

13370 kHz, 27-09, 0230 UTC

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13370/11538/10614 kHz, 30-09, 0230/0240/0250 UTC

85742 68043 92119 10449 92257 79172 63483 60593 83330 04958
87763 75081 02758 44722 38318 79373 46163 93270 47534 02274
66930 39264 42491 73002 55268 29332 09236 61320 32617 08833
40361 34167 28569 75219 45567 27234 32501 04939 29909 54924
37095 39797 65393 07116 15948 43747 38639 06195 02445 66013
70268 22768 62092 71507 50727 73506 75495 24462 82215 49563
74168 36232 65419 48984 96361 13184 82739 11565 55099 65628
86678 79591 35610 63721 23110 32888 64336 51276 44084 71626
16719 53424 85880 45322 55936 39059 44981 51461 19788 24004
97661 52194 97907 25842 57877 82532 66500 06338 13145 48487
72786 62402 27092 38588 86334 51524 10378 97211 59481 62612
18656 33176 64021 68187 57285 62015 96352 18861 97456 05388
68261 66031 33443 96053 25551 23743 35641 61850 61679 05646
79105 87110 18606 97983 52259 74967 92038 54560 75469 58960
83255 24616 84166 37413 64702 49547 56209 28986 51539 89416
88171 72873 96342 65180 50242 22050 49128 27581 74431 03039
49902 88634 55754 40606 45914 76654 71103 70845 50806 00746
45474 91070 87845 35713 20245 06175 00000 00000 00000 00000

02847 42983 83674 51381 57068 75910 20202 07442 74311 95950
35133 83759 04367 89236 20039 17766 07218 94827 40896 67724
91148 13980 78183 82011 02898 79674 68265 74742 49549 84831
38221 68692 56855 92658 51321 91422 93666 77558 05341 35587

17164 70046 50882 19320 18585 04111 21919 07669 74115 90443
95717 80994 30653 63996 24358 61283 81887 79287 05008 32309
09001 51894 81169 14578 06842 69589 92057 80993 98316 21523
12315 24185 18626 18929 49251 11438 32872 05757 89783 88148
97116 82693 14272 15759 91792 92994 19437 55103 82173 43572
17553 31095 85579 59775 04088 39706 50011 97296 10998 83165
73889 59647 87842 44317 21605 94634 77933 36077 14551 68283
81680 86926 02334 39631 24329 48374 43843 84847 70294 35333
52880 44099 51249 35344 88015 89614 00177 07127 00000 00000
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F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

16353 kHz, 05-09, 0830 UTC
16353 kHz, 05-09, 0835 UTC
20058 kHz, 05-09, 0651 UTC
9051 kHz, 16-09, 1351 UTC
5080 kHz, 19-09, 1014 UTC

F06

Link 00000

9274/7614 kHz, 02-09/03-09, 0800/0810 UTC

11100 00000 19856 30052 01179
45013 81524 77038 32030 82212 74802 98897 13878 30283 89659
47557 38340 04800 55214 99845 20687 12759 34643 87631 75218
75446 58276 57070 80251 97108 85700 72873 68195 59111 95306
59777 01676 44276 24709 98411 21617 21077 10490 17755 78247
42387 00690 51346 80946 38471 38495 49468 27873 08893 40551
64463 01324 43044 18343 51389 39750 23971 16081 51193 22367
95189 63524 48586 27304 95175 67188 21824 49227 89218 88364
26558 87364 53329 81396 80962 39893 89880 90644 44319 65594
79678 29584 06242 98746 00143 90464 28739 28170 64290 57976
08287 76369 60207 25361 50123 39713 95696 36391 71920 75590
77787 01678 79054 47468 81797 62726 78629 63801 89632 02180
24474 71730 02010 23704 10271 52115 00000

9274/7614 kHz, 09-09/10-09, 0800/0810 UTC

12743 65558 79797 37097 55502 39014 98806 57876 23513 76898
63601 89875 79417 14757 38609 63711 93647 66539 77540 42731
31943 80941 98843 69054 29296 29872 21809 12838 80008 77493
05501 35688 98550 03260 57713 04193 30907 77399 06132 14464
21098 12280 48887 13672 62566 38077 26691 29480 89114 76217
83748 43331 85075 08991 09617 68515 19418 68808 79215 18964
33456 95518 33168 79703 36864 35229 65661 14905 91683 79070
12012 74469 88995 65339 53130 85085 47966 53077 00000

9274/7614 kHz, 16-09/17-09, 0800/0810 UTC

11100 00000 85741 13054 01039
58850 01626 68382 49213 26822 98167 76608 28365 64914 61541
64173 50448 50442 33755 93349 62941 76326 32136 89321 59506
24632 10723 15906 02377 97216 07305 79506 85847 51962 18295
22209 55731 80006 86189 00444 33548 83796 88178 71198 20901
36217 65355 19423 06114 45730 46011 64916 30429 80414 28643
41984 24234 35908 60048 77090 32423 49878 44711 23631 25903
47076 07694 63256 46070 49385 82464 33378 79306 35401 46080
89847 08032 83697 73084 64353 35579 84220 30392 26110 31434
52440 84729 06796 93961 30116 44722 98452 77355 07585 09508

83623 79642 51601 45454 07095 38848 73289 63269 4849 033899
20375 41010 00000

9274/7614 kHz, 23-09/24-09, 0800/0810 UTC

11100 00000 32570 20055 01019
41729 03579 16055 02733 23244 14651 07181 28475 59069 12068
99289 82017 31129 90869 69709 35618 03809 63491 08135 50325
20217 09808 10593 64546 38776 28834 81704 24121 77329 28028
24941 52333 56961 11122 25549 83304 62705 50436 55844 07203
63343 54595 57553 00702 57464 67591 80895 41141 37984 60141
85086 27806 92315 99255 29964 58772 80358 06975 13400 36770
57522 44202 34219 02468 34944 80567 85275 18652 94109 36269
06405 53716 98053 06824 51923 37903 66327 06663 52361 90741
05926 92515 75131 43111 15359 52514 13799 02371 04056 71960
60663 33995 94284 11685 42321 58147 97784 59949 22908 55099
00000

9274/7614 kHz, 30-09, 0800/0810 UTC

11100 00000 91543 27056 02239
42965 36136 18859 82487 03933 18922 13844 19214 79296 67951
87923 73645 68392 82033 20777 47275 69205 78600 12124 76573
28405 87660 70295 69569 93053 54071 42301 49967 99905 27787
83848 00959 63241 46789 92729 25940 47177 42378 54033 68300
33383 21515 70608 57487 20152 05903 77215 73528 13744 32493
61808 47194 97967 45105 42390 37995 92910 31848 72857 57198
38773 88029 76304 28051 65731 09238 29187 00399 35780 44294
44822 61885 67484 62748 29624 12921 79571 16615 10544 97610
14319 01041 57131 07824 26654 43576 46669 02598 49925 76755
45802 10062 74260 73658 07118 04064 98469 51155 04100 72696
41411 70507 52897 20904 23775 90025 94351 74356 56212 49460
34715 76784 94745 90823 68491 97950 49412 45318 31851 94469
57051 41075 60049 90625 54208 11371 47275 71416 11055 08026
32396 04979 12300 49667 59007 36605 95992 59536 83236 21520
86192 72541 27743 88624 80404 16232 05347 52378 77753 95386
60717 15014 58810 34903 03574 26271 53017 60675 31820 92841
54646 23149 68067 54705 73237 93236 57965 70546 29438 85282
03786 79445 32196 86775 31707 31021 98233 99472 16223 01222
99751 21650 10111 35947 51283 26146 53414 89689 71651 13895
59862 51384 81965 47636 04169 74646 25581 95489 58644 54603
20974 39078 52568 18484 83468 25889 52747 22173 76738 70561
88703 69906 80043 34790 70936 99297 82112 40525 75672 98887
37639 56221 00000

Link 09501 – Pacific schedules

17532 kHz, 02-09/03-09, 0100 UTC

11100 09501 00000 02084 03529
38344 11996 41547 55531 80556 25945 02970 07258 93405 17057
71646 10285 76965 28052 47978 75573 05839 05946 12031 03433
56446 82238 43259 75871 37542 69226 20790 51785 34882 27105
77714 32156 05992 81572 07823 87466 85975 96595 48212 64504
90288 32048 86212 14750 25428 40896 64075 11531 43466 85623
79836 48142 01369 78580 07828 34097 11044 75951 87237 31724
91034 80013 52186 00274 55832 29393 01740 39734 03700 81993
33300 51549 88988 20287 87815 58403 89854 33657 80244 50293
07322 57478 13705 49041 56637 73623 00762 08466 36844 02085
40277 92373 89512 38393 23258 97579 82577 16527 66156 14129
80200 01999 95038 39911 84611 44798 29081 91868 60857 46899
36806 80958 80402 23988 63524 43081 44505 66133 53397 43155
73330 27058 14564 94513 71709 96715 00781 60832 07507 36861
07994 32756 63513 84283 09295 96424 48824 51419 76693 36080
80612 78998 63142 37938 72264 20445 43250 87525 88787 62691
36131 77655 55451 13114 58816 69234 30582 07264 83667 72096

78457 17090 98235 38036 03235 64336 90996 83236 29856 68799
11405 82286 42857 86143 77698 00958 19029 14950 30895 59950
14863 77687 58424 46768 94717 05309 35814 17940 10649 80131
59894 58755 69832 16725 71928 92700 50525 85452 94136 57804
52501 08401 28027 92045 92891 82336 87980 95053 83379 08419
68538 58242 49673 33328 68799 80607 79204 31511 22403 12347
07992 83228 06501 93499 82595 28086 28182 79795 58105 98745
11769 72898 18113 64499 35432 97232 27579 39391 90560 90573
54562 34580 62319 00603 21720 59629 54842 04603 73546 02403
09486 94484 70255 42273 89586 94335 44274 76308 30167 02676
80261 63137 76009 76603 04610 14182 56560 00031 95344 86934
71069 03180 48384 59975 82441 25545 61071 94420 43201 39492
18943 11477 02032 76693 96645 40799 64316 24582 08957 19339
05117 85011 72839 45364 58039 12316 66471 17349 28408 72938
96176 12404 04202 93847 07216 83955 63168 91895 99354 83344
99585 01329 33155 35039 19073 41627 37931 20151 74915 92866
57296 47936 44328 70785 93250 19975 68097 18742 34740 16713
02040 58765 81624 61053 53715 68862 99990 38688 02830 78790
69760 79856 28770 01476 10507 32209 93701 42252 96443 79487
02350 00000

The serial-GC postamble "02350" contains the message date (2nd of the month) instead of the message serial number as in given the header (#84).

17532 kHz, 04-09, 0100 UTC

17532/16351 kHz, 05-09, 0100/0115 UTC

File ZFD_26 (1536 bytes) 44444 09501 00000 04026 00009

Outstanding "44444" flash message priority instead of "44400" training priority

17532 kHz, 06-09, 0100 kHz

11100 09501 00000 06843 00049 00000 00000 00000 00000

14428 kHz, 09-09, 0120 UTC

17532 kHz, 10-09, 0100 UTC

11100 09501 00000 09085 01899

72851 47046 50785 28832 18508 02384 15782 60510 36048 14249
38025 96754 94663 55531 91603 31231 53773 53765 41403 99476
21608 77812 45298 33609 47490 93017 98624 28451 71244 01988
06883 48782 78168 13222 97593 32383 33012 04746 07259 68566
91400 74966 04349 56889 12128 97911 34269 75723 18775 25055
97235 15385 84078 00912 94998 55488 35489 84587 07345 91241
05362 94479 84332 38341 74214 18299 65182 71179 80481 55621
59760 74030 95219 85142 53607 09919 85185 73824 22429 36848
12733 70129 67006 26078 45962 48519 04449 62148 77561 97411
76728 29320 75779 67787 62447 14130 15958 24620 02757 78753
66078 68329 77376 84849 24738 18446 91647 72581 35015 76666
60563 24502 22646 11485 00703 68994 31954 31609 66017 02942
57975 40315 88402 38328 98206 87964 08987 02454 72430 64837
11087 46451 84029 01498 90757 41783 21253 68859 25879 69423
21859 95144 29714 31400 49576 41932 99873 39387 55811 06468
98639 60033 25056 42436 25560 21720 27418 16374 68275 12433
26726 41918 42503 23430 17623 59071 57119 18402 90122 50675
65275 32807 45021 13280 87486 33067 08649 24592 17634 90318
20354 74694 47810 48400 91194 53225 72952 85187 00000

11100 09501 00000 09086 01569

46244 04011 01341 88900 48365 64584 18012 61104 52731 98748
28538 02386 53078 23603 35475 85852 91579 08184 49904 71386
64987 97950 82593 05177 41036 90533 91494 00986 83532 54944
46535 07843 09576 11423 97631 93855 27347 14128 56857 00812
27898 03837 30713 49280 29381 22858 63432 98884 97166 09338
77260 93432 88262 13144 20636 45607 93502 00526 60230 40891
75915 39727 77766 65414 28727 84746 57563 87419 01430 99423

75734 47028 67352 89053 26993 33988 31176 31704 49985 58108
99824 26422 37098 42046 65175 00534 39681 91149 72017 43204
04608 20044 69711 57459 03133 40631 70969 47846 37958 41213
66204 85938 39476 11413 66883 20844 87092 92581 76322 26934
16603 58385 11361 05957 99521 55251 23351 85743 05342 57369
91901 82669 82624 15923 89812 20089 19886 07261 42640 19900
72203 09666 31328 09451 64475 63435 11341 10962 07290 93943
46741 05655 86321 02388 82640 89776 11200 53887 04478 64707
34794 17640 57537 28333 86154 00000

17532 kHz, 11-09/12-09, 0100 UTC

File 44426 (1331 bytes) 44400 09501 00000 11027 00009

The filename indicates a wrong message serial #26, instead of the correct message serial #27 given in the text header inside the file.

17532 kHz, 13-09, 0100 UTC

11100 09501 00000 13010 00049 00000 00000 00000 00000

16351 kHz, 16-09, 0110 UTC. idle -500Hz carrier

14428 kHz, 16-09, 0120 UTC

14428 kHz, 17-09, 0120 UTC

11100 09501 00000 16087 01479

73727 89282 76547 57010 88536 59852 47846 84959 81578 71497
38169 96560 37073 24206 16857 60558 83976 63909 94307 07633
44122 16927 62940 78951 93732 91306 72625 47085 86756 87235
51530 63979 13457 83735 08309 15656 92686 93803 76579 88344
21302 05207 87623 75733 29132 49097 82244 82005 12959 63659
97723 00382 47937 44955 90812 71824 99893 02169 82698 53614
86939 59429 36880 52470 63842 71409 05886 01916 27584 44871
07786 88562 67553 83367 18419 57015 08797 97265 90287 48072
21781 46297 34039 49913 97092 06816 23494 66969 08522 80937
10141 36149 12953 89781 58042 45121 60515 17967 35086 32331
13432 01568 21529 73442 96979 76719 21753 83902 31034 31052
90190 92291 15605 25143 07343 64174 68823 76178 66832 81120
40798 21010 59432 04590 51796 00791 65004 79371 28173 34382
88281 56253 34494 72718 99439 38627 25291 51315 65387 82700
64874 83110 82724 06010 88658 87145 00000

11100 09501 00000 16088 01979

70778 86503 56268 92638 96528 72700 94689 23008 45074 25768
45999 80811 97299 87603 82066 12284 93827 83565 15881 88398
94682 14527 30597 93853 42953 68958 08681 16540 30902 47213
22088 42189 91952 15208 69418 83886 66989 29683 70972 01129
18414 02237 57669 88125 90396 94315 14735 36024 38748 60341
66122 98748 78865 81186 10591 17141 25180 55150 45381 81082
20545 38656 38422 34306 78998 53835 35020 51556 90355 05200
09949 42809 60039 72575 00891 64227 82611 72500 84164 40545
72433 05264 78673 28556 99883 29778 89014 76417 06596 33472
23684 58427 98117 89382 49323 89985 37470 17658 66929 52422
88002 93623 20980 82362 79019 69631 77408 05347 92586 02859
31359 18364 94969 06258 30670 51002 61144 64831 26010 59904
65799 84427 83617 36206 39294 65251 21578 30651 11984 17260
55563 26071 95367 59640 64991 11916 73487 71566 15530 40523
03023 86405 98884 69809 45506 46565 75810 22079 80113 61185
33284 13635 70455 33836 91770 34868 83806 52432 23532 85537
86219 58535 67901 94903 61949 38246 54471 81408 30638 01856
70126 31610 60685 44464 30870 03025 02252 04737 44357 80594
88323 63995 74106 41452 77289 52827 41295 07671 35452 57404
25096 91694 82918 42694 47487 88195 00000

17532 kHz, 18-09/19-09, 0100 UTC

File ZFD_028 (1536 bytes) 44444 09501 00000 18028 00009

17532 kHz, 20-09, 0100 UTC

11100 09501 00000 20001 00049 00000 00000 00000 00000

14428 kHz, 23-09, 0120 UTC**17532 kHz, 24-09, 0100 UTC**

11100 09501 00000 23089 03429

12702 69129 85707 77739 93303 21618 07940 49878 68930 24704
99614 46792 32823 73872 59512 44197 47612 77562 81274 42504
51365 81165 42119 54143 12952 37595 24465 55439 10161 91633
06401 82722 29013 70235 81951 77367 07700 95971 97047 09441
73587 65806 12174 34657 46728 62396 27602 64318 08309 90096
32168 52927 57485 52857 61516 33170 05023 16204 76753 52944
77201 20493 99456 94127 28404 37615 63956 77770 85837 88349
72854 85408 74821 62546 66690 51163 98076 09335 43715 04345
67459 89528 90691 67221 11568 07434 10673 37655 07678 64238
58691 11288 11417 00167 21291 22966 82638 17594 00850 12092
30927 02303 90620 41587 29164 85078 51435 25156 68597 10817
26005 42536 53859 07339 51753 47434 61357 71104 58131 97808
09480 12010 59326 63219 14063 24442 78338 88903 27544 76809
63323 21286 85241 36696 82171 24597 07206 73868 06240 43292
29076 08285 19184 89964 60368 95321 11827 63425 93655 65390
48996 26656 13052 60138 19273 99302 75462 32418 03595 44418
63012 02213 23631 54119 30116 85707 55892 63867 93605 39695
22497 50043 39365 88495 94530 90513 43908 25586 68946 92869
34330 07125 04935 20035 35082 79560 30706 67916 74994 08506
56617 74800 52994 01067 55586 67171 85948 38826 96732 71642
87079 63650 43165 47691 48378 83515 49884 20880 25462 90548
22709 21253 48311 08454 24178 56595 06320 11524 37363 75248
81106 82428 23526 98153 25506 00948 34571 24834 12200 80854
66202 42978 00409 97136 62761 96331 94090 70726 09646 90573
90075 02944 74274 41872 39588 76835 81518 97799 71577 67588
34544 85299 51304 29225 17006 65393 72624 49743 37523 99312
07393 91907 02376 55744 60437 61872 27368 13872 03542 72820
24780 41916 86859 95815 26365 55839 51218 15041 28310 87922
89728 29626 69112 19884 32159 69242 76301 60247 50491 15654
42948 70624 09113 47411 19890 70620 08070 49884 34629 76032
92831 57802 72814 50041 28984 22520 83265 72077 65315 21154
92471 54051 33711 49822 39493 58628 59301 68144 67221 99255
79307 87193 30910 26598 94007 18107 09943 31101 98276 23514
33752 16346 67125 38991 57837 22897 93682 56726 50822 07323
89340 00000

17532/16351 kHz, 25-09/26-09, 0100/0115 UTC

File ZFD_029 (2755 bytes) 44400 09501 00000 25029 00003

Outstanding "3" digit instead of "9" in the last header group, which would indicate a message coming from an embassy.

17532 kHz, 27-09, 0120 UTC

11100 09501 00000 27563 00049 00000 00000 00000 00000

17532/16351/14428 kHz, 30-09, 0100/0110/0120 UTC.

Wrong 200Hz shift, no decode

Link 10053

20931/19219/14389 kHz, 01-09, 1530/1540/1550 UTC

11166 10053 15963 01001 00049 00000 00000 00000 00000

20931/19219/14389 kHz, 08-09, 1530/1540/1550 UTC

11166 10053 74523 08001 00049 00000 00000 00000 00000

20931/19219/14389 kHz, 15-09, 1530/1540/1550 UTC

11166 10053 24356 15123 00049 00000 00000 00000 00000

20931/19219/14389 kHz, 22-09, 1530/1540/1550 UTC
11166 10053 14563 22001 00049 00000 00000 00000 00000

20931/19219/14389 kHz, 29-09, 1530/1540/1550 UTC
11166 10053 13467 29001 00049 00000 00000 00000 00000

19351/18517/13527 kHz, 03-09, 1650/1700/1710 UTC
11166 10053 14785 03027 00049 00000 00000 00000 00000

19351/18517/13527 kHz, 10-09, 1650/1700/1710 UTC
11166 10053 15632 10001 00049 00000 00000 00000 00000

19351/18517/13527 kHz, 17-09, 1650/1700/1710 UTC
11166 10053 13467 17001 00049 00000 00000 00000 00000

19351/18517/13527 kHz, 24-09, 1650/1700/1710 UTC
11166 10053 18930 24001 00049 00000 00000 00000 00000

Link 40023

20949/16327/14825 kHz, 11-09, 0915/0930/0945 UTC
11166 40023 74523 11001 00049 00000 00000 00000 00000

20949/16327/14825 kHz, 25-09, 0915/0930/0945 UTC
11166 40023 15963 25001 00049 00000 00000 00000 00000

Link 60070

12077/9055/7989 kHz, 03-09, 0030/0040/0050 kHz
11166 60070 13467 03001 00049 00000 00000 00000 00000

12077/9055/7989 kHz, 10-09, 0030/0040/0050 kHz
11166 60070 74961 10001 00049 00000 00000 00000 00000

12077/9055/7989 kHz, 24-09, 0030/0040/0050 kHz
11166 60070 13467 24001 00049 00000 00000 00000 00000

Link 70059

8163/7450/6789 kHz, 02-09, 0400/0410/0420 UTC
11166 70059 78912 02001 00049 00000 00000 00000 00000

8163/7450/6789 kHz, 16-09, 0400/0410/0420 UTC
11166 70059 21547 16021 00049 00000 00000 00000 00000

Link 70202 (Mon + Wed: F06a, Tue + Thu: two F06 messages, Fri: null message)

Poor signals in the Netherlands on both time slots throughout the month.

8183/6839/5264 kHz, 02-09, 0700/0715/0730 UTC File 44415 (binary contents)
9188/7673/5872 kHz, 02-09, 1200/1215/1230 UTC File 44415 (binary contents)

8183/6839/5264 kHz, 03-09, 0700/0710/0720 UTC
9188/7673/5872 kHz, 03-09, 1200/1210/1220 UTC
11166 70202 35874 02016 01919
94108 80184 12075 19924 30368 09702 22529 95405 68286 24013
28528 51817 53414 19993 35026 91830 63643 84729 40631 99274
47090 78701 22214 05946 74919 93651 93059 26100 32554 02366
20491 88310 97691 42527 13893 19367 78580 01843 19097 59926
10989 96622 80043 16573 37296 61015 53665 80008 16161 89056
88938 64032 36179 96756 06025 45010 31996 96384 36450 06528

26293 00143 10258 18896 46088 95438 01071 08212 86789 58908
65002 94662 22451 01412 34349 04748 85640 61161 52009 87117
65388 87192 57562 86714 96634 80343 60944 56898 39613 83951
64655 14252 72622 41438 20446 65746 46609 62978 31410 62960
75002 68437 35427 63032 57250 98767 30884 01048 59468 13048
30631 03529 00672 13354 55083 97730 17998 64652 00436 96431
09381 01897 42897 62881 77096 41522 64910 85636 20629 39519
14274 17925 52290 63278 32116 61262 34028 69391 10654 97988
58866 04600 66666 02421 25414 72069 41645 85301 78867 30189
64525 51243 16969 16077 37960 73841 84331 10978 34067 18154
03586 89745 10586 65233 16784 21592 83379 18393 35486 14297
16222 95900 22983 19059 13816 39788 57085 38181 28955 95458
46909 02773 19804 41781 02113 12663 18192 76366 78006 16189
00000

11166 70202 96541 02017 02159
16049 49176 01518 29798 94207 07112 29950 80845 69581 63079
97361 16226 40331 97304 27025 38014 20427 72584 72658 88402
63863 49106 61236 07526 72564 17713 28100 52720 11415 68815
30275 08897 78859 39149 48957 44705 06508 03530 17095 94196
86176 03834 33005 68660 47815 32361 45962 28317 36745 11790
24703 68571 63655 38893 44765 00497 25784 84215 55627 30249
22735 64896 13563 67093 15359 32820 91151 14730 01138 45288
99395 25611 04508 10403 83369 22927 05570 24338 77337 19968
55604 42698 30284 91523 52851 53139 37798 77026 76974 41455
41230 20125 05657 68307 80082 74361 61764 98777 08556 29657
64510 51953 12192 39283 83060 62706 85554 52011 16025 72883
56879 79117 45252 94057 70641 50948 37395 09069 63957 42719
91651 04507 97785 74241 57142 51351 28846 13257 68358 75928
33190 37079 72102 88405 17384 32225 44381 60977 78216 36711
20671 72953 96881 54726 88002 64928 78573 98345 12295 69218
73424 35990 99392 08759 39736 52302 13214 81640 35426 49147
99482 73487 48635 42406 88452 64839 03438 34256 75078 25760
01581 65637 00064 14820 86199 78569 80227 24682 38443 43031
61620 41437 42945 28066 93837 09911 83084 21825 48957 22106
51959 30216 33544 70983 90035 08856 67161 36760 85378 08012
25823 97909 97429 35213 73819 84067 90248 65236 32366 13005
86175 52130 58504 17213 00000

8183/6839/5264 kHz, 04-09, 0700/0715/0730 UTC File 44418 (binary contents)
9188/7673/5872 kHz, 04-09, 1200/1215/1230 UTC File 44418 (binary contents)

8183/6839/5264 kHz, 05-09, 0700/0710/0720 UTC
9188/7673/5872 kHz, 05-09, 1200/1210/1220 UTC
11166 70202 57381 04019 01959
45588 82131 71407 98846 07680 66692 44325 11939 05408 65391
31749 36968 61409 56221 22744 89741 82139 83557 74606 08865
96254 43767 09684 83595 12604 68974 02921 35301 46305 51144
71055 07227 86312 73696 99425 42246 02932 42823 67302 53292
18712 35699 57699 16148 91153 07772 62589 39288 80674 26334
19473 90459 02258 22534 40226 84691 84241 79046 18179 63411
82661 95568 24347 19365 24613 99334 28764 47030 79034 92838
07847 23198 78392 55956 23737 47420 39662 44641 86551 97010
58078 53396 35477 76280 72065 33699 99655 64700 22806 85572
24787 93679 56867 64491 76397 06641 45340 70800 55699 82083
17910 13845 88990 24329 35316 67998 76528 51622 48620 62765
11804 36286 18733 74157 07178 76616 94629 09526 86788 05202
73696 03043 32694 63352 92640 64003 95162 96337 22409 45161
03071 49103 65541 23262 35333 67173 79412 08971 39303 32404
73778 28391 07086 88302 56084 43339 45695 34572 22966 02591
02005 95587 21373 41258 28411 92484 27761 70508 00161 73550
18794 24799 20280 82598 31976 58821 73033 70026 39674 11333
11855 76227 84947 78078 92695 42062 52638 60980 88712 26062

74151 85781 47244 33062 89357 05333 75010 83944 14073 30722
62474 81185 86534 19193 00000

11166 70202 19583 04020 02039
32949 33226 61391 11621 12371 01939 92942 59240 49273 28029
69092 57429 72251 27211 07049 60471 68908 93422 31166 38456
06277 19720 71157 37094 73616 30987 19388 32927 02254 01899
14437 19901 42162 58572 43117 88213 99971 87351 78143 81389
68087 99157 93626 42515 99606 22842 25588 85567 08733 25977
69687 52785 01360 86534 33340 44006 65514 63876 84413 28916
76363 42492 63698 78147 95444 46940 53337 74162 68829 51411
18392 87857 53904 32354 63751 31827 29442 37618 73548 26229
68670 70522 25295 38184 80011 12313 95901 80641 45187 31434
01787 81665 09371 53055 40251 60059 03087 87284 24312 68285
00524 39514 28177 88592 43969 51336 85559 93322 89042 45455
08000 05297 50418 73043 15407 19249 52720 86981 95986 70229
16283 89410 37755 59911 32463 27034 98819 76757 08192 32619
08618 70958 84445 36122 17302 70106 58336 93884 35454 46520
63502 09327 31320 72170 88484 43585 77754 22141 37782 39534
66054 12563 65263 07618 28879 83956 34642 46934 39440 65923
86675 00021 79143 84123 17800 64758 90880 95472 99875 11844
60151 62501 95729 81273 91203 02815 50193 56258 70382 74580
61309 38024 33875 83995 61406 69929 82031 25661 62722 84326
07463 91803 47266 70631 29089 11284 05605 88006 49340 04327
54267 20201 00000

8183/6839/5264 kHz, 06-09, 0700/0710/0720 UTC

11166 70202 97641 06011 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 09-09, 0700/0715/0730 UTC

File 44421 (binary contents)

9188/7673/5872 kHz, 09-09, 1200/1215/1230 UTC

File 44421 (binary contents)

8183/6839/5264 kHz, 10-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 10-09, 1200/1210/1220 UTC

11166 70202 85261 09022 01539
70716 31618 32691 47660 29447 92633 02619 61682 22160 72626
01801 39140 44434 95161 51463 78135 21623 36206 52400 62491
47131 09245 79348 77394 79383 43872 42654 61461 20917 75014
03157 24924 28043 84992 51238 88613 24517 65597 85966 23428
17640 92375 55274 94983 40248 28315 43110 43120 67015 99102
14506 50970 78509 07156 54477 83249 71436 76614 61729 98488
38523 46475 83067 64870 66456 54051 99475 34368 25330 75965
99796 54872 48035 18834 02937 24997 23028 76861 14554 21246
48909 98502 29147 52226 24267 29404 13501 19612 71202 23800
32411 90515 15989 41549 02632 10993 75298 73010 85986 15331
21424 58931 57574 10836 24956 97545 10012 42792 98326 56071
79647 69285 88676 28778 05687 00576 93472 08839 58163 82709
97320 66127 95700 30059 53400 48165 38984 36472 57975 46399
70912 19722 91400 95000 99325 78952 24073 94368 43283 69791
10762 76528 28810 26827 21755 54615 05051 88142 84260 23622
16775 22151 00000

11166 70202 79134 09023 01639

61211 92601 60416 01707 83604 17235 65577 30729 11114 98295
46174 98773 19501 95432 79639 63872 28309 28204 48006 32463
26044 95765 05142 39287 88438 61904 70637 60590 63204 72583
86294 40316 19740 98196 96146 33970 87201 17718 35961 99845
29409 86933 43139 92312 29990 57941 22973 36825 86223 42111
32181 91375 35008 33682 65675 24045 59403 36203 57477 61362
49165 58981 31739 87155 13733 75747 64799 96567 71085 62707
44209 34946 60925 58180 35670 76278 55603 11011 93816 20865
67243 09926 77788 16921 74498 11046 57524 35791 17362 05727
21712 55460 33495 95919 23340 32062 34487 69235 23784 64049

45500 90910 21365 78743 56725 54847 75316 95922 60097 60928
61103 48155 69697 10787 18019 62553 49287 39221 75012 33644
95408 23442 65673 42043 49483 37340 68311 98606 37362 42956
32073 18774 59748 36351 75032 56761 81932 90055 65192 54310
96291 59291 20329 83675 55974 44143 87625 89539 03211 24885
89026 59536 40698 12628 43257 78079 19481 82499 00431 43175
41780 23161 00000

11-09: not monitored

8183/6839/5264 kHz, 12-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 12-09, 1200/1210/1220 UTC

11166 70202 32154 11025 01699
79805 04395 71888 88457 73670 70874 34094 68742 22441 56833
01280 25897 85740 17888 14000 50078 26235 01815 58379 83105
84064 39461 14416 28767 72074 39665 24317 63202 71539 86608
73030 06343 33061 63054 98175 40307 12326 47900 71558 85715
95417 61482 19449 71848 93366 57076 73825 61595 10627 82022
71752 17116 17164 56918 45102 17176 78839 46317 67785 62064
25799 19364 52693 27063 63515 23816 15540 50371 56211 21874
47772 66455 37324 61271 65764 20738 26715 80050 28463 26573
59296 68476 40674 50447 54778 36504 84185 36337 83216 60261
43910 05167 06043 05969 21232 90299 97277 54734 51751 95003
74600 76672 69607 82824 94975 27771 85575 36810 94513 67953
71115 48515 77258 23762 65571 22736 82589 44124 48694 08896
85924 22600 45697 95035 12406 84593 57001 25339 68272 62925
29893 27123 19582 10231 14250 58248 72997 21615 69542 10873
38302 65984 15295 32488 77343 49528 42182 50180 69091 59746
25970 09057 45496 63496 11464 60760 77834 57473 58671 63026
18234 94567 68362 76208 26056 34550 29197 25167 00000

11166 70202 68147 11026 02199
56623 69461 86965 36872 02467 56381 08818 76050 16202 55574
63896 79740 39724 16428 73734 03541 65656 50179 10105 59314
93325 28532 81899 18353 88348 00356 12348 66207 00527 99879
73748 45114 19719 44836 71913 44950 74398 47971 97506 28673
02566 90380 86458 03161 49720 30102 56657 71404 73564 44387
13094 26982 60132 29114 38649 76761 81039 03762 12721 02757
46527 95384 24859 99084 33995 00037 75618 44959 96709 45067
81799 99652 82379 00738 28275 30374 16282 14587 33583 08990
28617 66997 21479 38528 30803 71379 15632 95416 70373 67428
99652 98366 19180 80884 09640 39862 74584 48234 51437 41184
78322 29789 59781 16908 82730 59581 41531 59807 19034 05518
70173 82105 47355 38215 23775 74018 93166 31976 83587 65517
99841 46324 35484 02244 52017 61544 41408 71533 49436 66662
73040 39472 35973 23314 24848 84919 13519 53912 48725 41446
95416 27587 77402 83121 79133 42304 28805 15082 42867 26615
08568 54824 95752 09481 52868 15157 36383 31588 78795 24753
99306 96618 34409 47233 94210 85884 65707 84727 67457 84791
42667 76841 40680 94553 11557 30972 06116 27591 65710 44909
83356 10068 51937 07661 67224 39990 54772 89438 21436 74306
25742 56733 97770 43460 49838 73439 85395 16804 66381 73939
20070 67344 86478 19107 07891 09237 74236 71151 43281 06468
83939 48252 25905 76171 70373 44914 06187 26217 00000

13-09: not monitored

8183/6839/5264 kHz, 16-09, 0700/0715/0730 UTC

9188/7673/5872 kHz, 16-09, 1200/1215/1230 UTC

44427 (2323 bytes) empty text header

44427 (2323 bytes) empty text header

8183/6839/5264 kHz, 17-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 17-09, 1200/1210/1220 UTC

11166 70202 14597 16028 01619
29392 85374 83477 37125 06984 19211 94053 57037 42002 73033
64157 49128 93442 00689 32331 27676 15486 62017 17481 60716
90862 58442 40571 97280 60806 51473 60872 67394 18768 00048
06450 53255 60098 77666 03578 55054 04865 55251 34764 99853
36008 60655 80074 66970 20008 50781 21454 28302 02273 57224
14711 27034 94406 91398 58876 43160 95565 20062 17607 19255
15088 47200 72329 44942 88572 63189 11808 23493 04608 47180
87826 68983 84332 33645 91674 07461 81012 79025 31116 80554
91826 89407 12538 74958 99048 95177 57960 26235 82807 83581
11596 70369 72622 25135 15653 41522 29889 54822 60058 39401
78514 94007 35797 14706 25882 24020 46552 46077 41337 47322
58328 06982 84378 97225 91762 45981 99747 82073 86785 28817
21592 74832 94338 15747 53908 84034 74834 72573 19437 67005
08035 38802 94198 71309 44046 01367 69869 15363 50114 47358
11173 44135 32912 94191 00473 20900 40995 20656 86774 40940
77127 47282 81291 78177 75150 39456 66795 00645 21104 28159
00000

11166 70202 36985 16029 01539
14733 41237 45894 76386 22420 33168 78417 30202 81770 52660
46511 08492 85650 50930 15702 61122 69607 11745 09976 08793
15918 15407 50452 30111 57731 03225 96481 60879 44250 47162
12641 22774 52880 54345 10028 23612 59295 61127 35323 96377
01348 96384 06036 69216 97758 18748 15379 83562 07542 57432
55215 02611 41076 11384 30504 77298 58784 86405 63684 61998
18344 74957 12452 97104 56369 08328 49334 00701 15505 35848
76530 36501 52866 10851 74444 50242 90769 88048 07338 91725
95675 62029 34556 64688 96301 01554 00759 71693 76830 59339
03585 46231 06147 62017 62204 89207 89056 09959 35186 52024
50409 41647 61108 33419 88072 42287 20378 82270 55686 01350
41663 23540 61145 48717 01404 49554 91741 24137 89817 43801
01898 59662 41852 29433 24443 79767 56515 59667 91359 48827
53021 92268 74935 20648 37190 15296 85273 69733 76538 16314
85073 08982 07504 12245 07651 23490 23227 82050 89100 75166
15345 29151 00000

8183/6839/5264 kHz, 18-09, 0700/0715/0730 UTC

44430 (933 bytes) empty text header

9188/7673/5872 kHz, 18-09, 1200/1215/1230 UTC

44430 (933 bytes) empty text header

8183/6839/5264 kHz, 19-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 19-09, 1200/1210/1220 UTC

11166 70202 75316 18031 01639
74444 26162 20337 87542 22118 97341 58150 75534 03484 45083
70868 56349 29523 64317 08223 29015 22213 74081 86174 52210
44350 10407 70104 53995 16979 57194 47958 91257 85347 19773
16760 76046 19348 70811 30947 10993 59354 23289 85956 00996
43414 10201 35507 33370 76729 75688 66004 43635 29349 07285
76515 09135 73035 63960 37749 37684 93212 79657 28473 43409
36965 46999 72813 26999 83000 10864 26872 02526 44523 26505
88090 38038 40957 61918 25816 02117 99453 49127 56485 33566
72122 14084 11884 76446 79921 39869 73905 47620 19143 42889
74250 29003 91439 66732 82507 01719 43320 23407 31050 64326
26053 36615 50185 02323 11922 66774 11996 01101 27764 22463
06312 19548 91731 87970 97246 66486 64215 21665 33736 47122
48858 04834 12525 71709 04617 45706 17021 43601 54784 68339
80480 68893 03929 41058 46934 54825 98676 24123 28313 89148
93286 41337 81196 17633 05938 05253 51635 61907 76686 50694
61468 44821 63011 56252 34591 15509 33908 58469 86594 91354
73094 31161 00000

11166 70202 95874 18032 01799
09938 34344 56304 25033 84845 97278 14026 34264 60967 62004
29630 29107 03955 44164 93223 94544 85968 15756 95825 15821
58979 40428 49598 98353 48104 08875 08570 90095 57139 35263
94533 29767 03489 00639 57804 69408 24681 54233 27533 44689
23646 08630 31253 91405 44960 89705 88360 31603 99223 27296
07199 77775 77779 97529 40449 28556 24950 52747 78506 54360
59975 99968 85537 96402 65851 13818 07894 27529 87249 94875
09579 48303 04706 09366 14458 16788 77262 71129 59884 35455
70760 51829 91447 43655 13961 30305 53520 89097 49686 17032
55286 76771 73169 14612 16959 18743 74794 00239 25847 33270
29425 41070 56979 66673 99495 78455 37972 36395 44063 41939
62810 18686 51006 78991 84252 29367 34552 11399 39531 71080
65319 54255 89045 45499 25080 58479 72722 53901 03404 62817
13751 34568 78392 66241 24361 10435 48676 56709 93336 45428
08875 57201 59969 32944 85702 74981 04107 64877 76893 65018
07016 54668 60165 43506 62729 12779 64375 12418 44562 98059
20074 81033 56507 93424 31648 95375 24161 79279 38221 11496
04905 03153 55524 73543 22003 68938 15899 32177 00000

8183/6839/5264 kHz, 20-09, 0700/0710/0720 UTC

11166 70202 48972 20001 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 23-09, 0700/0715/0730 UTC

File 44433 (binary contents)

9188/7673/5872 kHz, 23-09, 1200/1215/1230 UTC

File 44433 (binary contents)

8183/6839/5264 kHz, 24-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 24-09, 1200/1210/1220 UTC

11166 70202 93580 23034 01679
59445 34423 01128 54872 55495 97043 16592 96637 49731 11174
81592 91337 61451 09613 16640 99112 54329 00553 86799 40777
84848 03492 49979 82989 46921 66091 09996 47353 36142 79190
60370 73131 82105 32144 29783 88263 22228 75679 65118 68361
15510 84470 13055 88394 19683 36594 86121 96728 80162 52076
24169 66218 04264 57703 87180 02039 19107 70295 40379 10940
36644 15616 17549 61621 74267 25126 73518 90896 04407 77742
61743 35357 31574 78819 97923 93203 20288 93507 95592 45949
22318 76712 84617 94660 76669 66807 48547 90450 80778 35315
41741 63889 56319 09726 72229 83031 58087 11649 61225 94740
99384 77490 15242 29008 92343 53827 71732 70938 26633 84685
04220 30111 34981 32895 97822 61979 18948 02715 31137 21016
33391 55915 25396 50281 53066 38509 46860 37107 69782 60304
73362 89580 93573 94488 60953 13512 56302 89413 71578 94584
41147 09775 47733 15365 86403 49373 45021 61863 37043 82649
58571 99335 42459 47171 04224 22006 23845 74268 40454 06404
59634 09995 41948 23010 62451 34165 00000

11166 70202 12843 23035 01799

81759 89632 30894 24904 49710 53704 29362 90512 57679 61056
43026 40131 96150 24742 15253 56093 79308 03247 51333 04188
07744 32805 73824 79107 39473 01225 85409 87503 48936 61647
31465 29569 78682 09694 79519 65101 13404 72421 57801 74963
31033 82534 20053 53907 10574 36294 28795 95669 01356 58545
74245 56300 83403 23319 71067 06644 73612 03436 00133 09921
57399 47547 87495 85348 50544 08065 37763 43725 20888 68396
64041 05933 24575 42941 81659 40285 36547 48272 57841 79660
79952 68956 34529 04352 84172 66428 66538 01590 26151 04383
42226 37650 34705 89090 78873 03506 62520 48113 09959 19942
55501 95818 06516 13095 74181 59157 99756 96325 46860 62127
97154 19382 59178 92374 09174 70792 09794 98350 28828 44403
86871 90478 31258 06031 45051 44761 85516 21138 87593 32269
95753 29483 83394 22937 13973 77689 73540 37128 91568 45647
47117 43375 61811 27714 90924 25764 70482 54632 42823 69367

96841 67102 03371 37201 32109 76964 85447 37106 07659 76904
06565 02022 90104 84640 53528 32062 85472 32514 74155 71860
19632 38433 75732 21594 87198 19097 34897 35177 00000

8183/6839/5264 kHz, 25-09, 0700/0715/0730 UTC Not monitored
9188/7673/5872 kHz, 25-09, 1200/1215/1230 UTC File 44436 (binary contents)

8183/6839/5264 kHz, 26-09, 0700/0710/0720 UTC
9188/7673/5872 kHz, 26-09, 1200/1210/1220 UTC

11166 70202 21853 25037 01939
36798 91455 79507 22339 18031 72556 92414 87458 64414 97733
31387 81633 01294 59316 61069 18106 19954 14095 42256 60003
06814 23044 99219 00731 64120 48551 74633 82343 20591 01359
33034 56605 55427 54406 98756 18403 84150 65743 39274 66212
79688 77722 29892 69309 27155 84638 60721 46395 35760 86025
71882 85344 56278 67773 27860 58751 77534 78270 66960 14962
00317 91753 86804 49285 12182 76048 49794 85064 11562 06897
33482 19305 54641 96049 19798 12529 23413 25320 54056 27571
38366 03776 89685 46975 64246 90271 71615 23696 82310 48496
80272 44792 27532 26723 99095 12790 14178 79465 91536 74412
98202 73200 98462 51361 49907 43378 91913 52833 35269 94870
46140 74464 29421 63083 11862 13390 10685 77880 04694 54099
08614 97545 43660 04783 04471 04938 00755 88856 07594 83052
47463 21347 56073 12153 09205 24822 15179 55680 63610 64575
71988 27119 43601 07718 49635 55002 31176 35896 89626 88253
52862 66305 75668 09048 12774 60692 97428 45379 24191 27034
77673 00519 25619 43578 11234 41563 92257 59937 89214 14245
78820 54919 06899 76202 54631 55783 78780 65896 16949 48610
09163 49357 93453 34471 91765 11948 69829 11092 36764 87341
03377 37191 00000

11166 70202 75394 25038 01659
04871 72729 18484 45516 26678 61064 93669 74045 57638 83879
80148 30071 64029 87679 61001 56807 75965 68222 15982 32770
59826 01427 19768 81825 62270 32181 29783 31002 93015 57001
43239 14483 38580 61482 28115 47234 24166 98457 57745 16700
65871 17835 03706 65996 80429 84016 66697 67054 44650 41861
50093 07132 21753 17120 05860 37149 96791 62275 07525 55280
88337 83736 29879 24227 28627 11313 40109 45628 29350 95913
30048 40037 75274 46409 44211 05895 12886 41585 83337 55955
26233 78134 88098 54579 17176 40624 32668 04352 32209 04367
82847 55449 03053 07147 98429 36202 93210 50724 84483 28284
67657 18070 21258 34963 27877 17248 27383 15867 79401 87913
36058 86681 24071 31327 88922 07230 94178 49856 77278 06369
70706 06879 85376 17141 52824 43039 15432 20613 70844 09784
99065 21849 59828 06124 24869 06447 36020 29557 36754 51076
43296 77089 82805 86466 61832 57285 19300 36262 96155 99296
99592 80201 84782 69801 02553 15050 98624 33787 80238 11722
20355 20119 29500 38163 00000

8183/6839/5264 kHz, 30-09, 0700/0715/0730 UTC File 44439 (binary contents)
9188/7673/5872 kHz, 30-09, 1200/1215/1230 UTC File 44439 (binary contents)

Link 80214

19256/14521/12137 kHz, 05-09, 1220/1240/1350 UTC
11166 80214 26485 05028 00049 00000 00000 00000 00000

19256/14521/12137 kHz, 12-09, 1220/1240/1350 UTC
11166 80214 26485 **11**028 00049 00000 00000 00000 00000 (incorrect date in the message)

19256/14521/12137 kHz, 19-09, 1220/1240/1350 UTC
11166 80214 12569 **18**075 00049 00000 00000 00000 00000 (incorrect date in the message)

19256/14521/12137 kHz, 26-09, 1220/1240/1350 UTC
11166 80214 85246 26082 00049 00000 00000 00000 00000

F06a – FSK 200/1000

4859/5247/6776 kHz, 05-09/06-09, 0400/0415/0430 UTC

File 04449 (binary contents)

13947/17536/18945 kHz, 04-09/05-09, 0600/0615/0630 UTC

File 44506 (binary contents)

13947/17536/18945 kHz, 11-09/12-09, 0600/0615/0630 UTC

File 47407 (binary contents)

13947/17536/18945 kHz, 18-09/19-09, 0600/0615/0630 UTC

File 24408 (binary contents)

13947/17536/18945 kHz, 25-09/26-09, 0600/0615/0630 UTC

File 44609 (binary contents)

13835/12204/11156 kHz, 27-09, 1900/1915/1930 UTC

44034 (3037 bytes, binary contents)

13386/12091/11436 kHz, 28-09, 0600/0615/0630 UTC

44034 (3037 bytes, binary contents)

19629/15828/12176 kHz, 26-09, 1500/1510/1520 UTC

File KI80038.002 (1007 bytes)

11100 **80038** 82456 26002 01619
65864 38987 63855 80864 36315 25868 61519 36171 01197 59116
07405 41063 89215 48155 53093 50789 38310 66152 56784 93142
46403 72526 39567 68551 65612 52731 28106 82299 57095 61273
13457 57312 48741 78878 80670 00950 62872 19763 88891 24238
06151 49937 06627 36978 38890 02486 31886 67175 65939 00749
51863 78222 16341 25365 21864 82269 03945 86083 68156 73224
86165 84312 44433 27827 63075 77318 96574 48214 84011 80029
15406 44438 53896 65368 82120 80356 56447 49063 36075 31342
36468 69864 19632 27243 08419 01113 79737 79041 83428 54586
30932 12633 31965 62580 09466 58175 24331 49138 73224 68445
16177 26381 27133 64629 71230 76880 78743 33003 38408 07993
53684 20911 25520 89111 25655 05523 36735 07763 40664 33758
66013 05492 40197 56858 63671 79463 12986 08013 18287 60730
30089 96493 21124 05096 42957 16735 05259 57509 49172 95782
76606 75942 55552 27571 79028 25665 93308 67443 60703 79875
64935 85371 33964 87617 27534 01301 45774 94911 42238 51058

ID 80038 would correspond to the Russian embassy in Kampala, Uganda.

X06 variants

Sept 19th, logged by RO and T101

17473 kHz, 19-09, 0757 UTC 111666
17434 kHz, 19-09, 0802 UTC 111666
17419 kHz, 19-09, 0823 UTC 111666
17427 kHz, 19-09, 0825 UTC 111666
17424 kHz, 19-09, 0847 UTC 111666
13387 kHz, 19-09, 1207 UTC 111666
16272 kHz, 19-09, 1211 UTC 111666
10258 kHz, 19-09, 1219 UTC 111666
18208 kHz, 19-09, 1406 UTC 111666

18260 kHz, 13-09, 1227 UTC 123456

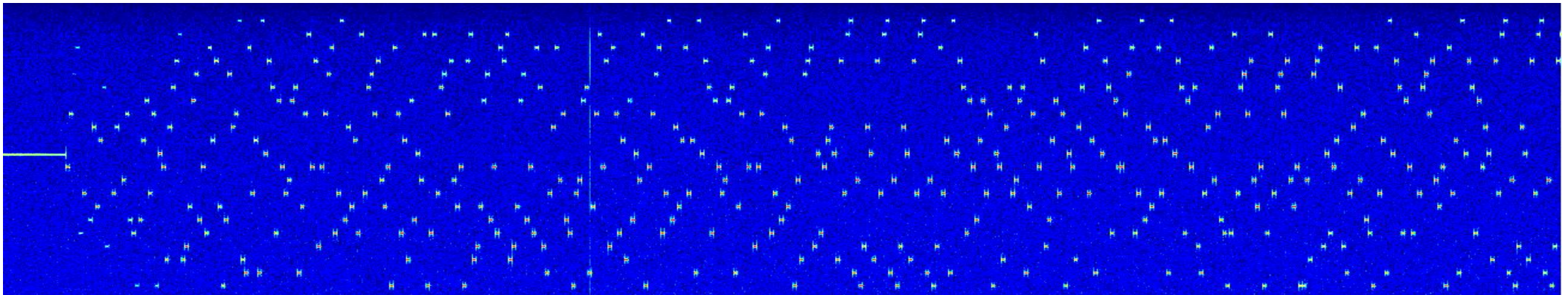
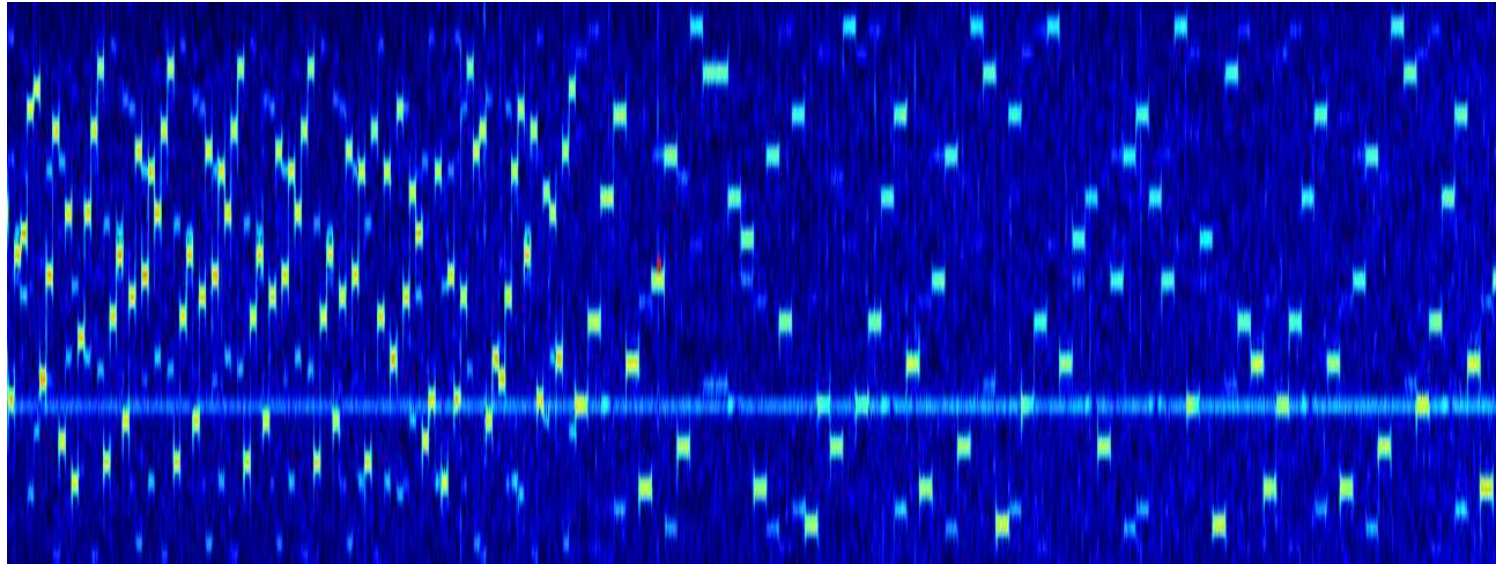
18250 kHz, 26-09, 1010 UTC. 131312 (ended at 1051z)
13950 kHz, 30-09, 1028 UTC 121265
11467 kHz, 30-09, 1127 UTC 166611
11467 kHz, 30-09, 1130 UTC 166612

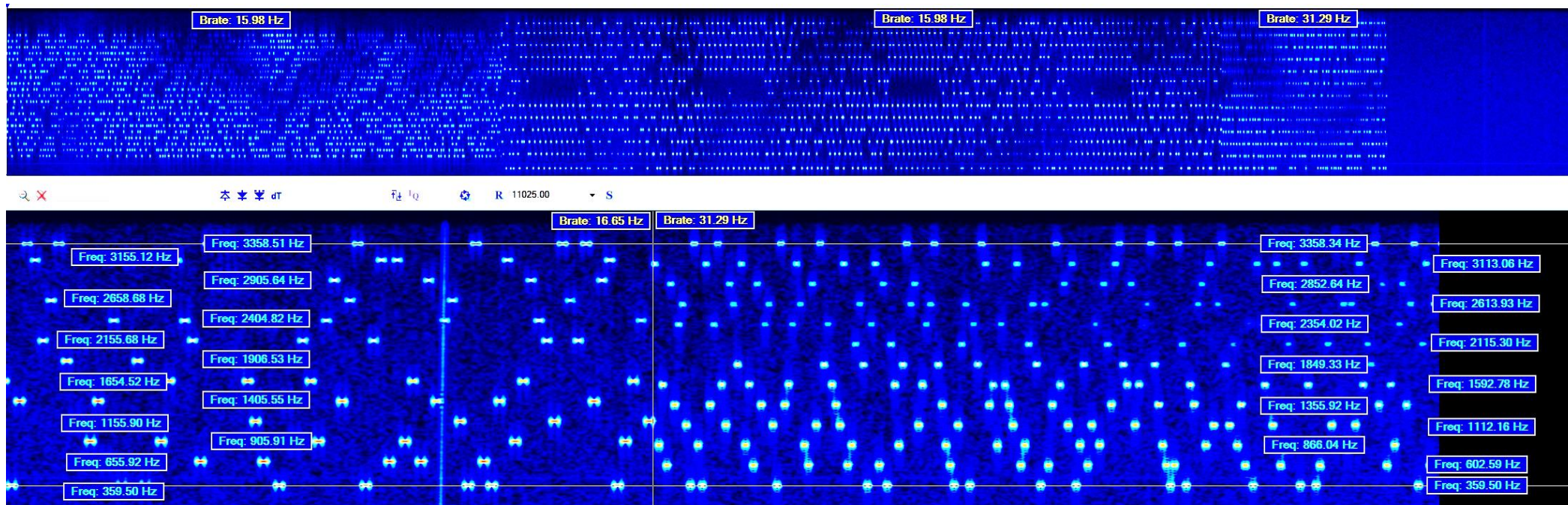
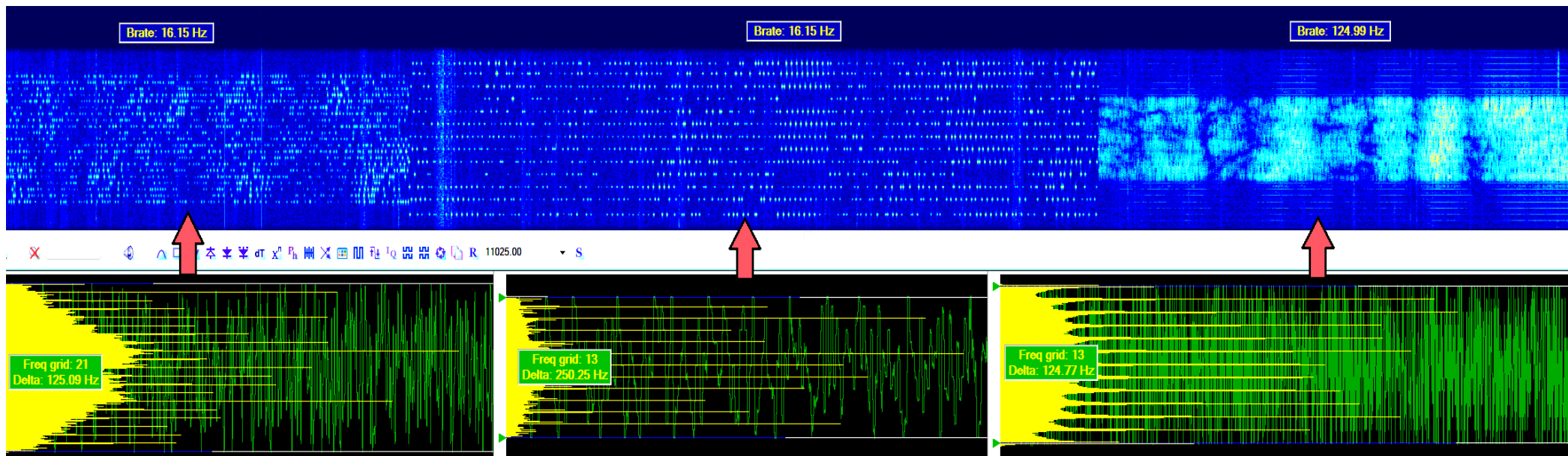
**Russian net. These waveforms are presumably part of Russian operator 6.
The pictures were made by linkz**

This mode uses various settings.

MFSK-21 15.625Bd/125Hz then into MFSK-13 15.625Bd/250Hz then into MFSK-13 125Bd/125Hz
MFSK-21 15.625Bd/125Hz then into MFSK-13 15.625Bd/250Hz then into MFSK-13 31.25Bd/250Hz
MFSK-21 31.25Bd/970Hz then into MFSK-13 15.625Bd/1625Hz then into MFSK-13 62.5Bd/1625Hz

18569 kHz, 03-09, 0842 UTC, MFSK-21/MFSK-13
16274 kHz, 03-09, 0845 UTC, MFSK-21/MFSK-13
19083 kHz, 04-09, 1109 UTC, MFSK-13/MFSK-13
16153 kHz, 05-09, 0817 UTC, MFSK-21/MFSK-13
14547 kHz, 05-09, 0821 UTC, MFSK-21/MFSK-13
18567 kHz, 05-09, 0813 UTC, MFSK-21/MFSK-13
16153 kHz, 06-09, 0709 UTC, MFSK-21/MFSK-13
18261 kHz, 06-09, 0904 UTC, MFSK-21/MFSK-13
14433 kHz, 06-09, 1245 UTC, MFSK-21/MFSK-13
18261 kHz, 06-09, 1234 UTC, MFSK-21/MFSK-13
12221 kHz, 16-09, 1303 UTC, MFSK-13
9465 kHz, 16-09, 1310 UTC, MFSK-13
13397 kHz, 16-09, 1431 UTC, MFSK-13
16172 kHz, 17-09, 0650 UTC, MFSK -> MFSK-13
18237 kHz, 17-09, 1147 UTC, MFSK-13
19457 kHz, 17-09, 1231 UTC, MFSK-13
18237 kHz, 17-09, 0801 UTC, MFSK-13

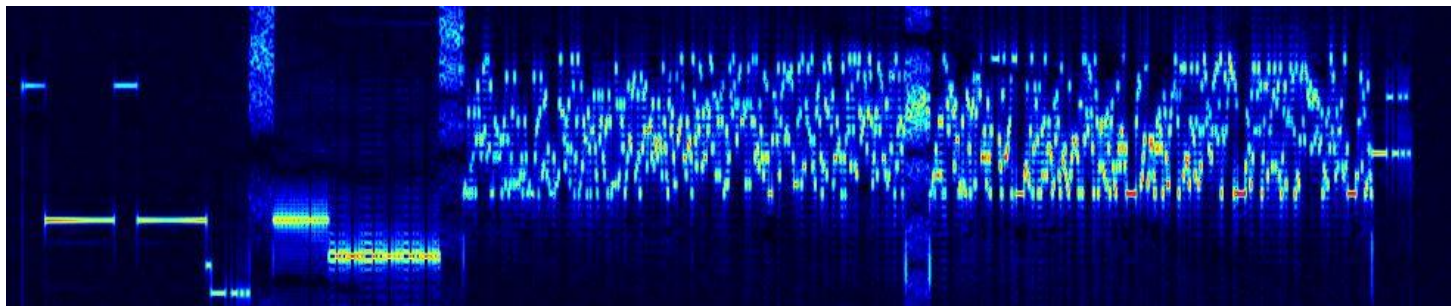




F07

13985 kHz, 03-09/05-09/12-09/17-09/19-09/24-09/26-09, 2000 UTC
13471 kHz, 03-09/05-09/12-09/17-09/19-09/24-09/26-09, 2010 UTC
12216 kHz, 03-09/05-09/12-09/17-09/19-09/24-09/26-09, 2020 UTC
11589 kHz, 03-09/05-09/12-09/17-09/19-09/24-09/26-09, 2030 UTC
10867 kHz, 03-09/05-09/12-09/17-09/19-09/24-09/26-09, 2040 UTC
10258 kHz, 03-09/05-09/12-09/17-09/19-09/24-09/26-09, 2050 UTC

F07 variant, single MFSK-16 channel, 40Bd, 40Hz tone spacing, 2 blocks (picture below)
10643/11467/13526 kHz, 30-09,01200/1210/1220 UTC UTC.



HM01 - Dirección General de Inteligencia

Radio Habana Cuba's HF frequencies were mainly dead in September. Probably lack of funds or faulty equipment. Only 6000 kHz seems to be active every now and then. As expected HM01 was also silent. I have not heard any broadcasts nor seen any reports.

P07

9311 kHz, 01-09/04-09/08-09/11-09/15-09/18-09/22-09/25-09/29-09, 1400 UTC
9071 kHz, 01-09/04-09/08-09/11-09/15-09/18-09/22-09/25-09/29-09, 1410 UTC
8189 kHz, 01-09/04-09/08-09/11-09/15-09/18-09/22-09/25-09/29-09, 1420 UTC
7894 kHz, 01-09/04-09/08-09/11-09/15-09/18-09/22-09/25-09/29-09, 1430 UTC
7488 kHz, 01-09/04-09/08-09/11-09/15-09/18-09/22-09/25-09/29-09, 1440 UTC
6783 kHz, 01-09/04-09/08-09/11-09/15-09/18-09/22-09/25-09/29-09, 1450 UTC

Q26 - Chinese military

16243 kHz, 28-09, 1406 UTC, 4+4 QPSK 75/3000 LSB

IW13 IW13 NE DE WB3C WB3C WB3C

IEIW13 IW13 DE WB3C WB6QB3C

IW13 IW13 IW13 EC WB3C WB3C

XYXYGXYYXY QSA3 QSA? X

QSL?QSL?QSL?

IW13 IW13 IW13 DE WB3C WB3C WB3C

IW13 IW13 IW13 DE WB3C WB3C WB3C

IW13 IW13 IW13 DE WB3C WB3C WB3C

XYXYXYXYXYXY CY GD QSL 2210 AHR HR MSG GA CY

0095 21 24 0928 2200

4J5V---4J5Y

5794 2738 6250 RU 1543 9801 6735 4156 9804 8642

6421 8601 7059 7821 9234 6428 2739 2917 8721 3152

6894

QSL?QSL?QNR 5322 X

P

IW13 IW13 IW13 DE WB3C WB3C WB3C

IW13 IW13 IW13 DE WB3C WB3C WB3C

IW13 IW13 IW13 DE WB3C WB3C WB3C

XYXYXYXYXYXY BOZ NIL SK X

XPA1

12137/11137/10237 kHz, 04-09, 1210/1230/1250 UTC

112 112 112 000

02316 00001 00000 35653

12137/11137/10237 kHz, 06-09, 1210/1230/1250 UTC

112 112 112 000

02159 00001 00000 36257

12137/11137/10237 kHz, 11-09, 1210/1230/1250 UTC

112 112 112 000

06562 00001 00000 34664

12137/11137/10237 kHz, 13-09, 1210/1230/1250 UTC

112 112 112 000

02461 00001 00000 33660

12137/11137/10237 kHz, 18-09, 1210/1230/1250 UTC

112 112 112 000

05298 00001 00000 36266

12137/11137/10237 kHz, 20-09, 1210/1230/1250 UTC

112 112 112 000

02614 00001 00000 36253

12137/11137/10237 kHz, 25-09, 1210/1230/1250 UTC

112 112 112 000

04764 00001 00000 36662

12137/11137/10237 kHz, 27-09, 1210/1230/1250 UTC

112 112 112 000

05136 00001 00000 34660

XPA2

18206/16329/15824 kHz, 0910/0930/0950 UTC

18206/16329/15824 kHz, 02-09/04-09, 0910/0930/0950 UTC

00654 00054 40616 71398 70373 20054 61452 85441 21452 62838

54787 24328 20416 87529 99827 94748 76502 74124 40674 34002

70890 14659 30712 11483 09628 09237 57001 49983 98459 16555

01056 73613 04007 70955 02898 24671 70427 17026 73031 25343

83002 33620 26522 61415 36092 94906 85857 92228 51333 23682

05990 46417 88578 56672 03084 34220 14650

18206/16329/15824 kHz, 09-09/11-09/16-09/18-09, 0910/0930/0950 UTC

00227 00122 45234 71656 09695 56304 77313 44807 44587 44640

56209 18101 71918 80436 73826 76966 12113 12503 69626 19073

78999 93649 70052 72433 70299 94241 72343 48625 68073 84696

34643 30793 90827 27692 23474 13143 32890 63484 20563 54552

26441 42309 80460 55945 97464 19886 20912 17204 29297 91524

16563 59808 10878 20641 89456 56374 23185 96138 77598 50428

09640 53429 73275 74422 32520 63017 08029 18011 35436 35541

05714 37166 64741 33207 28202 17518 78608 48195 30276 25361

76149 62119 06764 68223 69993 95497 49579 56730 26196 51104

05803 44684 19127 71156 15373 29784 60993 60134 03541 84403

06338 38759 28155 50718 69832 70694 46254 45210 73655 66651

30896 56395 15917 80906 98911 98191 46177 98400 53975 19911

77174 00455 33849 31116 13351

18206/16329/15824 kHz, 23-09, 0910/0930/0950 UTC

06203 00001 00000 33656

18206/16329/15824 kHz, 25-09, 0910/0930/0950 UTC

07132 00001 00000 32662

18206/16329/15824 kHz, 30-09, 0910/0930/0950 UTC

00523 00192 01722 57844 25607 52944 32372 19714 48130 53881
89198 55890 85798 28998 79849 51597 55868 25953 14372 17590
01185 61242 31184 86282 99243 08109 51461 27269 99246 70595
64613 85837 67799 26609 11360 30909 29470 86934 21145 52939
99618 99782 09522 90095 35534 85160 28084 18990 18333 46096
66888 15444 59459 38506 86558 60196 38270 10949 61024 84617
04928 19496 67368 49116 73780 87656 63083 77837 35058 68678
53203 75280 62738 63213 97955 70792 80975 40924 58301 08093
25432 60861 14072 33848 67177 50569 48231 64985 38028 90806
79435 62742 22920 97327 63602 03520 14538 09234 56643 57253
19098 28434 49584 19110 25938 02490 41551 37730 82125 52181
72883 98071 34399 59418 68588 10001 05777 61260 46679 00545
78204 32848 88519 50285 70884 65246 68847 14093 97793 66989
09646 78546 74452 52100 94836 22919 71859 22824 67964 73365
24233 26914 09037 24244 17423 69787 46918 89108 65379 17764
75703 24035 48430 33247 12629 48763 07007 47946 43077 24203
91151 98198 40259 83638 24352 25520 42528 45284 28295 43563
62415 50443 56053 02036 72755 50497 61821 82673 84158 73976
28017 64025 32032 51977 68250 97870 46819 92390 47652 08785
69962 50997 60078 94229 77074

14373/13373/11573 kHz, 1500/1520/1540 UTC

14373/13373/11573 kHz, 02-09, 1500/1520/1540 UTC

04830 00001 00000 35257

14373/13373/11573 kHz, 07-09, 1500/1520/1540 UTC

03329 00001 00000 37255

14373/13373/11573 kHz, 09-09/14-09, 1500/1520/1540 UTC

00664 00168 04200 19007 77848 07128 32739 49495 43288 20256
17458 79639 02538 99505 10768 48277 16182 44583 71725 12702
38259 39875 25063 82649 00521 70957 08956 97311 03130 12758
54853 58658 99735 83012 31044 16180 74635 35726 81768 68399
46768 07497 48964 44467 45397 37002 17475 42718 93905 04502
35249 37916 73040 91854 26814 30448 31092 96544 04000 37443
46519 60591 71858 79977 76180 96863 77813 04837 87480 66885
90750 09583 42851 84924 34923 21832 05203 16847 63993 12756
63258 70012 09719 54696 84994 62252 17228 77200 85810 07238
51943 73677 11352 27876 17152 89866 17361 25061 55245 55148
69707 36925 48802 87085 45989 49452 53745 06216 63967 19218
98285 77234 78609 70819 46399 79648 39156 31193 63224 95845
08659 96414 06692 05925 83168 34689 08374 87608 55874 37263
64309 95980 66424 54798 56541 74343 96801 81350 18846 96592
05639 75444 02020 41407 09975 77866 54559 70586 79748 12468
38235 05831 92513 87648 78965 24673 39874 77386 61759 32847
89048 85670 97666 73517 56809 26820 05570 37655 05473 81818
46007

14373/13373/11573 kHz, 16-09, 1500/1520/1540 UTC

06194 00001 00000 33667

14373/13373/11573 kHz, 21-09, 1500/1520/1540 UTC

04462 00001 00000 34262

14373/13373/11573 kHz, 23-09/28-09, 1500/1520/1540 UTC

00563 00189 95912 57535 78490 85272 61607 99964 21564 57811
81318 08954 96576 97940 73432 92342 48809 31342 63567 23491
85298 44002 10491 76201 06746 75150 76259 59275 52600 30588
66311 41112 31914 14592 76855 48160 84331 52565 10003 25391
71265 45484 46034 44187 07314 45344 24553 58101 69965 28746
91056 21898 49276 43577 85461 63188 96340 76202 66145 53005
08830 29253 70976 03555 30959 64810 60355 79830 36885 65996
13834 84535 93561 60850 15561 14098 69714 52569 84329 47256
10502 01621 15773 00697 44163 44767 51548 94720 92581 94556
87552 96643 42600 51256 45562 74155 77402 73160 26811 06632
36276 94437 12270 66277 26672 92967 90001 13689 45271 73236
06465 84055 64063 73778 17123 90753 78827 58764 91348 96991
12646 00950 14601 42077 32684 13889 09042 10953 43630 69908
90846 26496 71997 61997 28509 05141 12431 06575 13936 12606
93093 61690 70268 53809 65404 08330 33680 02185 23728 67891
86240 09822 27928 36786 96307 39063 92674 04481 23015 28625
70397 12194 11282 34125 66065 22866 57321 07274 56166 27205
13054 23698 44283 55913 13579 87412 06215 63180 79853 89627
54016 64417 22134 28203 13048 34997 57310 54825 74890 87369
45036 54321

14373/13373/11573 kHz, 30-09, 1500/1520/1540 UTC

01927 00001 00000 41253

10221/11121/12221 kHz, 0500/0520/0540 UTC

10221/11121/12221 kHz, 03-09, 0500/0520/0540 UTC

04077 00001 00000 34663

10221/11121/12221 kHz, 05-09, 0500/0520/0540 UTC

02890 00001 00000 35263

10221/11121/12221 kHz, 10-09/12-09, 0500/0520/0540 UTC

00420 00087 52127 27521 64350 10920 17896 37509 32852 79737
23511 81103 03485 19160 70808 31012 13649 04089 69341 85119
25678 23579 77912 71716 30796 86431 64145 79119 79576 02431
61136 23109 42104 65540 45525 80923 28303 32524 51775 92144
08028 62481 45546 42498 25512 76650 89229 05013 79463 96811
12838 19883 38285 59237 13808 65264 14976 96922 63314 88533
24243 76409 99401 32152 52850 58113 67383 48211 36705 27696
73658 11190 26188 41381 45880 24156 07089 84716 05518 40139
69133 12292 18902 67697 98922 19398 62546 20723 03886 46577

13431/12131/11431 kHz, 1100/1120/1140 UTC

13431/12131/11431 kHz, 03-09/06-09/10-09/13-09, 1100/1120/1140 UTC

02853 00111 39843 27892 27555 21220 72659 74626 08605 95002
56670 98228 71791 11714 35889 85309 65226 02658 89102 29001
36367 99010 07666 15947 46738 35158 55223 70067 55741 72388
53447 81375 48114 52825 75437 54388 80004 27176 23891 85016
83273 44054 68158 10750 87932 41369 54897 85669 92957 41339
90033 51151 20801 08247 98854 31424 79997 76593 16133 24708
35765 60082 22223 13434 32608 65092 41335 27276 17557 44374
98992 29559 27422 57646 06632 45047 97320 39448 86431 57495
32942 01837 40810 51590 53847 46540 21612 96145 92119 51818
25064 25640 94613 43341 89131 78819 30829 86863 57794 48162
52135 32097 77082 86697 26417 08250 43919 31303 63139 03600
99761 26340 11510 52674

13431/12131/11431 kHz, 17-09/20-09/24-09/27-09, 1100/1120/1140 UTC

00123 00191 41142 60054 50720 23496 20523 73276 09184 70041
99521 43136 38685 28440 07649 21263 96744 52393 88398 00019

83416 29325 48529 66978 05949 67996 88819 09667 50385 16361
61336 92829 23709 39524 84304 06901 31130 66087 20992 51477
33971 13629 64509 69516 18294 37712 86330 44460 86533 25369
93793 09770 15551 47246 43075 55008 70968 40326 64127 44778
23308 38677 02042 91621 89204 53443 62837 11589 88559 78681
56048 46092 74315 59859 44255 45201 51604 86699 94171 15776
22512 01027 31060 90559 95855 75390 96111 19874 98278 86195
80007 83735 49261 09082 15269 87589 75733 49025 60570 92477
26834 47263 16298 30250 51767 49971 09856 30717 61100 80569
71647 71885 82251 83213 06132 93136 71444 00612 21178 48057
47989 26901 49368 25627 57865 73796 92705 35307 89072 76275
22278 64023 48908 14252 02928 32250 82849 31700 01600 86969
52819 16034 27075 10479 07400 95207 04686 50608 65679 59356
45339 18623 17145 17895 68285 05651 81129 77280 07588 10564
74127 68961 15999 74450 30230 37820 36700 50863 40234 22619
03293 40942 46198 66123 19951 94281 95834 87047 16992 31330
47845 74993 83116 32928 82590 11365 49589 37892 74967 62925
60106 51636 16333 10403

13887/13387/11587 kHz, 1600/1620/1640 UTC

13887/13387/11587 kHz, 03-09, 1600/1620/1640 UTC

01870 00001 00000 35260

13887/13387/11587 kHz, 05-09, 1600/1620/1640 UTC

08049 00001 00000 35664

13887/13387/11587 kHz, 10-09/12-09, 1600/1620/1640 UTC

02790 00230 43330 96832 52736 88993 02428 86467 12051 18645
47981 13214 90206 32847 81496 23191 55144 52681 45617 75792
31466 61553 00421 55607 81491 96964 25565 68976 78354 11294
83109 41312 62686 83533 17750 57553 96967 51405 11055 17571
38973 48259 22447 36862 85928 96506 04383 10692 94875 81971
50262 06013 86183 70052 82568 94364 74095 05853 27528 51396
41053 08809 42724 93359 42733 28128 10065 28263 33559 80775
31595 52495 23024 64711 15462 20883 67038 77128 01886 85466
43049 22895 52330 04789 43568 00924 19239 55373 55007 56957
32190 73470 27374 20221 82156 52822 90471 82244 30022 98882
43012 80642 37225 43749 84531 06715 73409 53053 43514 37185
32837 71854 41894 90375 18283 34488 62287 81695 16418 47626
63756 76361 30714 39796 38840 02334 73133 17703 43204 02083
83139 45341 25483 70499 77873 19323 94558 12048 15851 80438
09810 91965 88350 17978 30365 27874 57050 05104 12956 94258
07996 53464 05541 11639 99897 44132 50269 21231 97662 39180
79493 98834 04488 28880 90042 87847 50943 97889 90194 83625
17044 03474 27426 32797 58732 25547 99463 25460 98958 49219
59160 19673 51565 30605 76456 09431 84931 36547 63043 91582
57425 40908 31036 07267 85278 35766 04387 89662 12898 08407
84399 12349 10930 97696 96157 00626 20836 13227 83237 09512
28805 83532 80935 85855 72505 29539 40539 36391 56771 23842
16032 94623 13966 15350 77574 65024 31535 81156 67394 29724
63717 02668 61511

13887/13387/11587 kHz, 17-09, 1600/1620/1640 UTC

02137 00001 00000 35255

13887/13387/11587 kHz, 19-09, 1600/1620/1640 UTC

09121 00001 00000 32263

13887/13387/11587 kHz, 24-09, 1600/1620/1640 UTC

00120 00197 87447 00576 85461 68863 05785 42259 11849 27888
82043 23317 12904 81835 86566 12427 14339 53091 67859 25298
09806 37161 50681 08237 75114 98147 82046 46519 65397 50559

52779 41461 32039 75809 55528 38020 24526 36715 03321 88456
17351 70398 20623 05005 79098 46199 63341 03300 61252 53016
07200 35712 28710 79936 91828 27963 58507 20439 22058 91451
72659 97779 10935 27514 45890 81458 43063 73648 64348 11654
42180 73247 68706 84194 03009 67044 56944 72621 39596 95613
95498 36012 96767 63924 93241 41936 30737 12986 99424 90367
55137 15649 39101 01231 31396 10281 28120 52180 40184 24082
01761 90630 10154 91615 47543 52389 62706 08738 58317 28917
37475 03250 14985 64810 12074 56734 65164 25828 49109 80306
84098 77724 69419 44293 63595 95780 15730 54532 92872 36350
91841 95037 57610 77242 95470 59747 50653 19845 07666 90789
59291 94515 93565 48784 02029 42831 03130 12102 58384 20147
75713 51580 45845 91487 44391 11487 67206 06911 89195 61122
21946 66514 31374 41053 67149 32222 73207 46613 81828 74967
70784 18712 13392 65739 22618 12466 23488 48149 68058 16762
57582 93876 59135 19755 52915 15771 74387 47840 40834 94119
90664 10784 98034 06744 56774 89937 76345 71153 93462 44522

12152/13552/13952 kHz, 0700/0720/0740 UTC

12152/13552/13952 kHz, 02-09, 0700/0720/0740 UTC

08002 00001 00000 32260

12152/13552/13952 kHz, 04-09, 0700/0720/0740 UTC

06402 00001 00000 34256

12152/13552/13952 kHz, 09-09/11-09/16-09/18-09/23-09/25-09, 0700/0720/0740 UTC

08758 00117 16814 14320 06876 25003 23728 35486 01665 61646
53314 68626 81351 04661 80181 11019 16003 50984 97642 42297
25192 08680 72828 55565 33965 12905 57128 57097 10379 79892
05591 31668 25535 04067 33825 55398 58262 05757 82044 12650
99366 59935 56043 92067 22737 96971 28004 20055 97311 36544
24794 66354 91117 64705 02603 94554 61567 35144 09274 50386
57961 45599 25020 66432 04918 73795 91684 79358 64879 20267
44011 42754 48263 05721 93780 76862 95012 49670 65033 55718
55723 06245 76135 11596 99334 02329 90981 58200 21173 35688
56079 49695 32913 60218 07755 67723 60344 09601 96691 06082
44548 30758 83985 25924 58675 83828 37748 67857 99953 93315
25264 77432 98551 72530 27396 92787 92072 07083 67688 55454

12152/13552/13952 kHz, 30-09, 0700/0720/0740 UTC

02012 00001 00000 32253

16117/14917/13517 kHz, 1100/1120/1140 UTC

16117/14917/13517 kHz, 04-09, 1100/1120/1140 UTC

09886 00001 00000 40271

16117/14917/13517 kHz, 05-09, 1100/1120/1140 UTC

08972 00001 00000 36667

16117/14917/13517 kHz, 11-09/12-09/18-09/19-09, 1100/1120/1140 UTC

00603 00083 57803 38303 60028 65633 03660 08913 03006 03030
62206 81006 53040 68082 75883 06003 85026 66580 30655 07450
00163 80782 04400 88033 63523 68003 18838 03048 13838 55038
61834 58684 00638 35286 13083 37771 63836 60508 58167 28586
28603 03800 30506 88506 68832 82613 05538 18680 60328 66608
86352 30635 33533 83683 66606 48388 03002 86683 65068 38003
88055 28738 66230 20568 81650 03008 65369 83206 65566 58863
30653 58316 67657 03088 82608 40104 63030 62263 74883 01636
06434 05316 38404 03330 56628 51506 60302

16117/14917/13517 kHz, 25-09, 1100/1120/1140 UTC

01160 00001 00000 31657

16117/14917/13517 kHz, 26-09, 1100/1120/1140 UTC

07755 00001 00000 37264

16351/14851/13951 kHz, 1800/1820/1840 UTC**16351/14851/13951 kHz, 04-09/06-09, 1800/1820/1840 UTC**

00402 00169 78038 98857 44120 77530 91332 07918 21503 55486
11782 86789 62718 71483 63221 15381 66319 54428 98464 67379
72101 10246 52973 17287 71145 13487 60038 13655 25136 26917
62578 22416 09559 28007 79354 71222 25346 40736 20538 49413
27690 41307 79303 06455 90658 25673 68282 80830 98143 90412
60321 63875 42530 74330 19684 15929 13563 44741 81163 22869
13030 42943 32806 06994 82813 87805 17944 89834 62821 75943
17221 26553 41688 60069 24421 18758 63101 33247 12021 82997
70862 72777 13992 11092 60751 98959 13913 21156 74976 86946
62488 47179 81641 99251 68246 20853 76700 88288 80727 51111
32129 93053 28462 89021 13267 37365 10805 36715 45661 50464
67101 55897 66993 27971 82578 20926 67539 53921 98074 27684
37839 91641 41920 52201 76547 35102 36879 31438 67217 96273
58764 38305 50664 96554 71601 87834 21368 28648 62280 01396
71813 71305 86188 58736 59769 59253 73869 98039 72638 65700
84817 02587 03256 03772 24328 71048 15431 23256 22502 51936
79356 30734 11376 06977 29558 98906 01397 24945 12427 65977
73043 06337

16351/14851/13951 kHz, 11-09/13-09, 1800/1820/1840 UTC

05465 00116 66036 30865 68860 26656 97660 35601 00668 86233
68836 01660 38057 82414 53383 53303 52808 47223 02571 36816
30575 97258 20388 12308 56211 50729 22858 52807 20308 07500
23868 55060 05228 27006 37730 13303 03068 75558 25526 00845
08380 73380 36684 80636 00323 86260 68611 68168 88006 06680
30003 60833 72300 23766 52038 36808 88633 35838 05608 03830
63003 08333 33244 35568 65855 52147 75934 36575 56039 73003
57473 63370 33425 50361 69830 09377 57320 03002 78638 92186
22877 03263 88653 29285 83706 21751 88537 34606 78505 74974
66579 31754 69133 76816 89707 33096 48520 34327 55217 31310
22439 75044 84531 72290 05311 29455 47478 57748 62651 30441
80789 11452 67856 82607 11926 83396 30099 47255 21858 18800
02432 68800 60429 23084 31486 56048 49039 54125 88175 52665
06902 04576 16959 78382 66655 79920 63083 07464 11661 05068
93262 23870 05300 30647 35470 05083 67262 88683 26208 80356
58599 97539 84721 15046 08368 04024 66376 14203 10049 38810
00509 52874 37288 39196 44920 33102 15979 93006 24057 41806
67624 90327 76625 53651 11510 85298 51596 48160 31378 21001
80768 23347 26007 43600 68488 54932 67871 08304 00806 52535
90451 31130 35796 62802 80700 34552 20228 01847 10428 78725
81975 41946 48666 64670 19366 04750 68677 92899 17385 56577
38179 47328 36124 47982 09632 73838 78674 04658 03218 96686
37941 72764 92536 96768 22983 31106 76259 26188 42437

16351/14851/13951 kHz, 18-09/20-09, 1800/1820/1840 UTC

04500 00371 48854 54425 95933 41226 93353 73995 65113 74491
60764 45480 78092 33581 53288 30443 12190 83339 35006 04597
44184 61039 04054 27404 95655 56905 35542 09548 10717 46540
04614 28828 82083 74391 84170 39433 83575 85595 01228 74466
75066 65678 81554 04269 20988 03349 25415 77310 08594 25740
48746 82311 78423 55181 69642 97223 16592 22312 16590 93335
29815 74150 30178 27946 74260 73007 98369 05230 34587 21482
76169 11757 13338 96456 01041 31481 22869 58149 18030 78621
70759 66697 44720 40601 70172 12794 36948 15892 97582 68316

00502 32387 97622 78307 93722 10177 05974 00726 82214 78166
30191 53692 23150 06646 71561 77905 33474 24251 49963 38728
32689 30045 75839 12271 70652 48854 74977 89606 01511 32341
48777 34759 95600 78750 69107 14793 79747 22234 38864 21596
46833 68162 21369 49561 11222 33472 42829 67387 39092 02158
71377 85484 81822 72139 55089 10578 07117 25327 59193 97969
43502 09734 03390 42523 10386 56900 34764 58975 72136 80686
52459 39846 51070 69352 09328 23749 39222 63653 50461 39855
60292 94617 57988 02010 71656 08722 74786 43164 52414 56084
82938 52208 62810 43244 18044 98089 60312 42271 54996 11778
03752 85739 76027 53430 94448 65415 69790 90095 46092 58316
63650 04537 00280 61914 33832 96837 84476 35588 84523 53470
74065 88899 83436 75624 38916 68110 16051 08230 04732 77823
53476 17128 59947 07370 07823 94737 84862 03152 97557 50962
35875 80161 26587 46743 27865 80049 47726 80232 01518 97440
88927 55696 79490 66660 03255 35916 95503 13994 08826 22604
92516 38400 74323 56320 03458 21554 65819 30136 58016 26332
34405 71240 00687 76263 01628 76016 04846 22118 21313 63881
68282 85572 54558 58666 96559 67768 86445 87738 33277 58833
37163 83368 23555 87652 75848 28288 19274 24483 33866 85460
00620 70864 06618 03388 63350 01656 30988 77644 41384 94718
36084 32287 66138 06633 54821 03655 68310 67770 00818 48066
28311 09983 06603 33318 64360 80666 80778 28646 87630 65556
33778 62228 63444 88645 77675 70807 02644 50346 67110 56348
80163 84542 64838 64671 28518 53668 63643 00366 33485 87432
83823 63266 00031 65007 88423 58312 56436 81888 80648 06366
57838 67088 04466 24638 67863 40058 06113 87655 31874 80382
51809 41744 46276 55828 03888 04113 44083 84654 25463 00805
85206 21873 51128 54057

16351/14851/13951 kHz, 25-09/27-09, 1800/1820/1840 UTC

02848 00294 80062 10908 82699 52398 91864 63966 93665 55885
89324 32442 94653 18632 04109 07529 92348 86325 45610 84072
57924 43596 31982 52130 82878 71374 18582 57608 76698 31227
11029 28467 81419 87781 48453 61547 42300 91036 69602 27520
44992 87418 54540 97905 28697 25293 70233 82792 23581 45755
38445 85090 64369 39579 65845 73281 40971 47647 42841 54253
82624 79931 12976 64359 10825 27822 01199 68407 96025 22641
15432 91196 80940 23513 81308 95068 57194 06306 50369 18587
08588 96387 61074 26903 83966 32857 09411 62480 36633 89463
88925 03049 55034 95264 87973 96525 21396 04133 05206 99890
77057 80951 31628 19722 51385 14473 58281 67065 02648 92542
54250 14867 20098 11836 50320 64511 88870 29701 44662 46522
69420 60991 64154 31220 31403 40910 55559 95220 34399 34105
75822 11473 00271 39131 59934 31429 91536 15957 48783 46031
07380 79156 43938 69750 34205 29813 60633 37511 32374 23516
89430 87310 64232 59085 72652 29947 42150 29454 88477 62547
91090 28169 03319 52343 52199 42869 62663 92607 44857 75765
38553 20724 02588 17583 70169 38835 11408 30868 34019 01458
17573 81936 34272 85056 67420 76090 52538 83606 21138 39316
42288 91844 26878 33343 53875 71415 59776 33885 85149 85538
27404 37188 78452 57119 28378 38700 86373 40882 43802 26208
19996 89736 55279 72168 39527 85560 34177 30247 98819 01372
63519 86033 17703 67538 71466 22243 95127 60875 09602 86807
93153 97459 39447 26602 70846 79994 23506 51081 98351 28656
79695 87598 72944 73902 24341 61712 25369 96866 76191 40899
76536 49744 26636 16766 08657 54755 53010 86861 53512 46529
03489 23084 77743 10380 43784 29564 33400 47842 89887 70807
04991 19398 01662 32896 10398 27311 55691 56602 50303 87372
34640 74722 39019 74266 56536 69142 28378 34118 03682 63770
09043 23321 13293 97106 10871 14245 53213

15859/14659/13459 kHz, 05-09/07-09, 0910/0930/0950 UTC

00357 00052 11758 91371 07386 91714 96656 92208 91301 02447
77738 18874 16777 42312 11313 00076 88381 41338 09526 37715
65449 42272 32153 11178 83070 77085 23176 75566 35104 77444
13660 12886 30666 44115 64224 05547 77018 41036 52822 78855
50881 86817 96366 82290 43483 06490 85529 96191 97293 53596
82191 30118 92871 44863 54321

15859/14659/13459 kHz, 12-09/14-09, 0910/0930/0950 UTC

03957 00075 51800 57528 67014 63482 21996 61176 63559 18720
92694 71601 34347 43287 77785 95438 70514 03227 27888 65285
35369 57131 51236 03636 94384 55062 86918 07891 65329 50538
91596 83550 73226 43301 11697 55401 85384 53767 64399 04379
54798 07810 74179 50915 04728 45580 14474 40567 86851 56646
79541 25784 48665 62886 65725 67384 52275 81326 09907 03320
42021 78518 29644 16489 24548 66908 24823 40719 93607 19608
36003 60141 82325 34170 23947 67996 84249 56064 97199 12971
81019 15859 28663 27030 38534 63866 64010 25351 17332 90959
20690 21347 28161 77257 71230 69064 52245 40449 73227 77340
47223 27761 92700 25163 44268 48591 09818 19146 87625 33134
93839 76417 97335 67127 11099 55965 11902 96465 32486 88526
65599 46307 37603 49177 39068 12356 25076 75802 53084 54117
40980 20020 23153 50586 88325 18368 84824 23193 46013 98555
94057 40732 88067 47142 04088 83903 80846 88374 88235 12156
44288 56144 99463 48486 29356 82250 89793 27808 79097 63046
42431 46365 67359 79933 13669 61766 72017 85493 97686 77497
73083 45896 63851 50864 53996 40963 64533 83100 12122 24505
03327 11885 51838 51496 82995 75996 27011 32453

15859/14659/13459 kHz, 19-09, 0910/0930/0950 UTC

01831 00001 00000 35654

15859/14659/13459 kHz, 21-09, 0910/0930/0950 UTC

04090 00000 00000 31165

15859/14659/13459 kHz, 26-09/28-09, 0910/0930/0950 UTC

00633 00193 49935 69496 84377 24568 58040 79458 37584 69125
72840 44655 77851 74325 39673 47539 30923 00283 08338 29990
15397 82329 01709 42330 20032 13540 12975 31411 57990 07155
21957 07646 07585 41492 30539 25813 13397 52855 72161 54088
66802 01568 07508 98356 87727 57183 83678 58647 96858 36403
18644 35212 36721 30829 46993 69821 44499 10722 98827 44225
55408 37809 11485 47903 50841 53421 53841 25554 57112 49036
96397 70210 01561 04028 87198 17043 36271 47998 22473 73537
75368 69569 60553 53837 87074 10470 24266 87016 18076 15417
73034 84595 52250 20920 53753 36210 45437 94726 58427 00072
17432 81806 38421 62057 57009 69102 08066 62122 14475 53443
05683 71570 97127 89875 50915 04347 12728 72982 00716 51219
16788 19511 32892 77905 47963 20779 91703 11907 58811 87815
56659 46089 73564 53989 80058 01989 11929 63961 08567 34550
00098 83273 74873 94953 32886 63373 51943 42488 74055 41601
98634 27191 81365 20635 13455 91945 27983 03789 34435 80179
04022 51027 60785 59633 53031 16586 40555 60228 52639 60772
08041 64611 74550 79550 71682 48044 68523 14795 62349 30259
38089 08108 71206 12265 61273 11965 71560 40926 48906 42895
70928 49945 35156 63118 09401 34106

Finding these tests was a joint work from a bunch of Priyom people, in particular linkz. We also received several tips from other dxers.

They took place from September 11th to the 22nd. The 0500z and 0630z cycles apparently didn't transmit on weekends, only on Monday-Friday.

Schedules:

20974/20551/20144/19657/18759/17472 kHz, 0500/0510/0520/0530/0540/0550 UTC
 20529/20251/19647/19121/18234/17434 kHz, 0630/0640/0650/0700/0710/0720 UTC
 20536/19642/19298/18208/17419/16329 kHz, 1000/1010/1020/1030/1040/1050 UTC
 20561/20294/19548/18081/17473/16341 kHz, 1130/1140/1150/1200/1210/1220 UTC
 20579/19604/19181/18023/17427/16347 kHz, 1300/1310/1320/1330/1340/1350 UTC
 19583/19051/18513/17463/16292/15947 kHz, 1500/1510/1520/1530/1540/1550 UTC

20974/20551/20144/19657/18759/17472 kHz, 0500/0510/0520/0530/0540/0550 UTC

17472 kHz, 12-09, 0550 UTC Message

17472 kHz, 13-09, 0550 UTC Message

20144/19657/18759/17472 kHz, 16-09, 0520/0530/0540/0550 UTC

00119 00388 77507 70927 85238 81914 49877 85333 95560 41159
 97697 07800 67067 97309 50763 82704 33701 20474 39083 38172
 40303 48944 20501 82325 32399 62101 25038 22284 94016 15409
 79778 76226 92617 50847 74863 88133 85435 75104 29301 73400
 92146 38507 22441 80312 15203 94178 46055 42079 60311 92426
 67881 09821 73759 01688 57185 99849 17647 95181 38528 23137
 56876 20992 91315 80150 61380 21471 15182 16220 22446 62629
 97268 58596 91172 65682 46025 01796 26503 40188 67121 38220
 16045 82957 68572 01590 47527 69956 02466 90928 93661 75013
 70485 90252 36576 06164 16523 71153 47191 42290 18931 93730
 78996 29835 19632 97681 95156 09285 18648 08077 55662 55389
 73346 77458 28059 00307 07091 73917 52419 89724 32622 91423
 19005 24252 22558 47432 92142 07015 22020 85008 49158 74870
 54603 84211 21256 73390 59223 86209 63325 70889 06433 38242
 51308 94388 35266 38271 01667 93026 62193 36268 99071 42604
 18734 57465 09667 27507 74724 54743 07276 72199 05538 88140
 87264 33639 58917 80791 00785 89133 56201 54667 41083 20880
 10592 81528 83291 94379 40115 24616 88984 84285 45765 99115
 44811 85750 85935 06553 56135 97136 74543 93748 98664 04479
 78932 91125665300 18291 50977 17668 35470 54474 37486 12532
 36824 07525 95184 78191 32012 37205 74173 15287 87391 50008
 65757 22990 26433 06322 33318 01513 47703 52363 24555 03647
 14589 62451 56661 36603 41947 19466 16177 65550 33402 22446
 62629 97268 58596 91172 65682 46025 01796 26503 40188 67121
 38220 16045 82957 68572 01590 47527 69956 02466 90928 93661
 75013 70485 90252 36576 06164 16523 71153 47191 42290 18931
 93730 78996 19835 19632 97681 95156 09285 18648 08077 55662
 55389 73346 77458 28059 00307 07091 73917 52419 89724 32622
 91423 19005 24252 22558 47432 92142 07015 22020 85008 49158
 74870 54603 84211 21256 73390 59223 86209 63325 70889 06433
 38242 51308 94388 35266 38271 01667 93026 62193 36268 99071
 42604 18734 57465 09667 27507 74724 54743 07276 72199 05538
 88140 87264 33639 58917 80791 00785 89133 56201 54667 41083
 20880 10592 81528 83291 94379 40115 24616 88984 84285 45765
 99115 44821 85750 85935 06553 56135 97136 74543 93748 98664
 04479 78932 91125 65350 18291 50977 17668 35470 54474 37486
 12532 36824 07525 95184 78191 32012 37205 74173 15287 87391
 50108 65757 22990 26433 06422 43318 01513 47703 52363 24655
 03647 14589 62451 56001 36603 41947 19466 16177 65000 43402
 22446 89144 34510 46798 33232 62290 37295 90565 07743 74540

18930 22963 59256 06357 48556 38720 55942 64691 58927 74971
49463 69964 83105 29818 33839 97942 74372 51522 58580 36244
12545 21027 09173 71883 64944 60962 31247 76190 93199 44131
06023 10947 39959 77822 05725 80682 55331 56094 07445 97881
86004 54774 57248 90027 93937 52480 06038 04691 12959 35289
87917 85772 31984 71498 61994 97901 13790 87372 41411 87592
07473 79750 71490 14796 68948 38515 30005 05283 24093 53155
42610 18277 44177 60697 50239 57770 63778 19144 77945 12463
54923 26555 63230 57909 56213 20249 78962 68459 15828 07822
66892 67958 14682 19851 90408 06253 83282 42452 21079 55421
22475 00755 80596 59803 92678 69639 41694 71285 21259 04223
34123 94644 09426 28947 32669 80916 16519 13580 58581 48698
59552 61544 89454 16271 86262 74650 03595 24226 70288 43985
74487 21326 98064 22523 89987 54168 45958 03427 65230 86573
78554 07677 47200 11604 73697 72246 58531 85734 87181 09491
89733 65420

20974/20551/20144/19657/18759/17472 kHz, 17-09, 0500/0510/0520/0530/0540/0550 UTC. Message

20974/20551/19657/18759/17472 kHz, 18-09, 0500/0510/0530/0540/0550 UTC. Message

17472 kHz, 19-09, 0550 UTC. Message

20974/20551/20144/19657/18759/17472 kHz, 20-09, 0500/0510/0520/0530/0540/0550 UTC

00176 00378 36147 74366 21997 64296 95399 53471 68354 18295
70199 97628 43339 88072 22470 21928 14556 47613 73246 54651
39781 95813 41011 95765 67302 70735 81840 28486 94358 02831
76099 05035 19952 19482 73478 80388 11439 46601 95421 60546
94361 76410 70457 88449 00490 87196 21508 31014 14295 01320
62912 19255 82398 29487 88811 49592 87325 40381 07064 51261
82455 66913 59111 65523 42195 65163 77675 23856 14593 42081
10489 67953 52190 12700 60289 63370 25356 52561 95275 80105
49226 50825 14190 93038 39917 56844 22636 90463 30670 23885
93061 71056 39537 44159 78089 27447 17298 04934 46254 35325
09520 97650 16421 72212 90829 94957 67063 69698 69196 25440
24236 34764 45105 26957 02035 31630 52722 66071 25605 85349
42527 87211 93185 90706 49019 39431 28415 08030 34610 32841
46071 20421 06306 59949 70585 51574 34404 41976 02209 44958
89780 52936 21267 05229 99648 58296 25950 12580 42124 46458
74724 51226 79328 60903 92797 22308 04464 25713 23193 51398
66542 59032 35088 36354 79368 03814 28457 85155 56370 50459
97225 10745 63862 80645 95568 89589 65943 87956 91057 90722
13480 15834 65905 88150 58116 94844 41092 45402 67150 48277
47109 08690 18783 50809 78415 30748 17848 84911 25860 95833
29838 40794 56208 91663 49232 63978 87362 98682 65334 03208
56363 16507 34654 32470 37917 50707 93125 46936 78237 84522
62721 83054 18005 08093 03349 88534 91961 13052 02229 64820
71740 81031 62096 95223 60883 72685 59624 74240 38917 94136
07481 42408 80066 63941 91912 30602 74034 86312 12892 27708
37621 70911 06674 41336 33111 46782 22789 48115 88313 60697
72016 74310 96452 00514 31467 75331 54409 39430 71585 65231
91081 18885 08018 84099 77041 20313 02988 54062 16179 72746
14499 05649 00160 74520 27199 00829 74356 20759 62111 14100
49895 11509 85925 78219 22120 33170 45954 79552 32474 16581
76191 34604 14726 47659 36625 18736 62892 22573 64294 12798
43794 68725 31935 15567 46198 66367 74150 21932 73314 30638
00974 33650 77317 57485 15335 79572 32958 29798 61978 43871
74357 23435 21588 99597 96553 79894 90921 52499 37894 08462
37935 51783 56464 49313 70305 81169 79572 70357 32021 55752
59018 24022 06237 01835 15607 42541 57285 57240 32324 57052
85776 33093 60594 20423 38440 20359 47137 32337 19013 66302
75444 21650 84037 64851 92701 49190 77185 28004 87179 34165
63221

17434 kHz, 12-09, 0720 UTC

00538 00434 76018 45509 79066 59231 13446 37269 35209 92198
 17569 75594 13630 44045 4299 78614 92588 4352 08370 06516
 27885 7 01 0 327 27673 38401 95268 97 05398 4636 15389 34749
 12832 51871 57622 86212 06105 54394 87557 21865 78026 15470
 66977 97689 35249 84230 70198 46673 83692 18974 03500 55522
 79246 8 027 555 334 4 88588 75443 8345 07108 83797 32134
 080 7 87632 19820 57448 04736 23722 56666 57831 36889 24219
 05030 21655 30343 91044 64906 59710 7417643441 68201 48594
 43403 86423 51135 59866 55502 23803 40316 24217 7623 30661
 06049 80449 38067 45891 07423 80344 77869 77799 79493 46475
 90666 25860 82083 79287 54492 57591 5868 20509 68497 28878
 01366 04903 38905 35202 730 21623 31496 59952 01946 80932
 83405 31788 60207 06228 18169 24579 83586 84450 83621 84560
 81 40 96276 63946 21725 57927 17 43 0 3 9 71854 09374 97910
 65117 19807 55719 68745 9894 01145 41544 02265 57160 85798
 488 8 17917 75852 98560 63069 58877 65651 75854 1110 25912
 00743 4233 36886 83936 47036 05000 40956 17179 77273 71187
 17283 59641 50577 04035 15814 63598 76068 91461 76932 17024
 83034 80721 27290 97821 35711 63923 20424 5384 58655 88049
 51890 2848 10743 83461 23906 9088 829 9 71782 1708 24206
 60188 24334 25591 85972 68515 9206 7333 71816 82746 99469
 2807 74189 98921 44086 42877 93280 46942 39063 47224 83112
 84663 75570 58523 78222 19297 88798 48898 67115 80127 24529
 80678 04287 59753 2226 56834 58669 55130 41317 29306 46504
 96583 48606 82637 59184 16241 77699 29561 66655 40583 30625
 43940 43855 23557 38594 39542 84616 5840 47367 66674 79716
 40308 00222 91688 57816 18791 78520 04445 46195 87250 84206
 38150 05625 09 57 01719 86527 6 56 2932 337 61980 41596 59236
 82241 26532 49502 80987 36822 80727 31158 3183 72217 92828
 07763 74641 49588 06196 96360 56916 24820 40393 37720 73263
 83365 7940 56375 92473 8315 3 097 21838 52065 03485 91683
 66501 85385 25078 20479 58065 73689 42185 76827 81968 97792
 73275 33011 15033 91376 30387 30982 60168 95522 90166 79138
 68111 58944 24260 68331 75869 02838 70155 57028 42672 02724
 58889 79 92 09697 80532 26327 22376 49563 29108 48129 22670
 14731 47992 58423 39927 99986 50353 64369 64998 62085 07332
 73928 26314 61898 24346 23572 07557 61124 56745 44609 55226
 03534 85116 34155 79243 38902 94182 23314 34500 65049 08010
 81418 31009 47393 67495564 07 20119 00520 4333 68343 5515
 38467 05157 94941 35339 28795 32575 17194 85350 6960 1 769
 61251 92816 84498 92901 1 136 29573 13 3 79179 024 05804
 27039 29869 99947 54074 25913 4286 78920 94401 59937 03452
 07037 76790 88401 19093 16759 98376 90214 08814 50448 06325
 76988 37962 77538 46279 71334

17434 kHz, 13-09, 0720 UTC Message**20529/20251/19647 kHz, 16-09, 0630/0640/0650 UTC**

00881 00436 67036 10923 21374 66251 51239 79459 32033 16272
 18065 08420 55777 83280 80151 71347 54250 57291 70007 56996
 14398 51260 50547 53943 05834 51254 13173 41706 62484 36859
 18380 10598 03348 33579 40362 91294 60669 37332 90674 58903
 14618 08126 31400 36822 84447 35563 87102 48076 43205 10117
 33250 37461 36686 00222 38271 84407 36432 13092 05088 70119
 53077 09532 16974 95172 97890 07467 05072 22197 42918 88856
 10677 16917 66616 11104 42377 06271 19859 13725 69495 70270
 64151 65095 98500 52367 03609 80918 73911 03125 95306 55954
 54861 47576 32243 20555 05825 05085 91151 36226 38931 76979
 30491 64905 05157 54348 99438 16332 70844 25582 57844 32000
 64547 22707 43596 34817 05968 87980 11030 64606 91563 16971

33555 01947 26889 86963 33994 63099 84672 46060 05278 37292
15119 83631 74793 92514 39778 99244 59938 44152 52927 87275
10074 48329 45280 63306 91405 32153 03980 97425 14586 17843
94053 26544 44662 21959 43424 28544 38015 18193 20353 36338
31659 24783 20303 20551 16881 80914 47913 51081 95037 06723
28042 66877 11678 04288 06897 85225 56666 63582 95556 01840
59119 87246 31474 87434 43237 88573 38969 52833 49089 11234
61229 41744 23799 16588 55615 85290 28025 24728 46425 10491
84239 52898 02387 07863 89799 27176 14865 40373 15062 58198
71876 74431 22635 18512 77218 44411 93308 32868 77313 28306
41944 95078 01991 83803 45492 86297 43078 95089 48671 21605
57199 31937 17157 85065 17600 06221 84858 23610 97633 16061
73707 98595 37771 90889 39356 86796 19108 05286 39369 11204
91980 95156 47413 18118 68546 89160 50906 18583 62369 03502
84096 19775 91700 93455 00999 39938 57273 37569 00912 70996
59551 69697 35233 61251 54598 43347 57306 11100 44446 58695
67188 37791 55719 37467 29624 62041 84523 99038 16518 28438
55313 66275 61240 94131 31963 53931 06895 44315 89890 99417
29523 81537 04374 68371 51651 22283 59922 86161 63518 25198
31853 39806 74136 03674 36312 46305 64055 54232 63831 38957
55414 58234 21050 72472 15683 93275 08457 41101 29288 00667
36452 12991 21209 45028 29171 85650 33417 87346 85815 07340
02118 98361 35520 91319 96584 15507 92138 57565 57818 85657
89874 52661 80482 50933 44002 71287 60486 31900 52688 58374
13825 18821 56872 62851 88745 18861 18596 29108 74501 50660
12887 76708 68416 56490 36838 57052 22714 29730 75887 00176
01137 50890 83281 43630 10791 83789 32508 70275 01025 57883
25163 01516 34658 27440 93514 83296 41488 72667 02574 77722
96909 63029 83063 07158 72769 13166 84244 23992 14095 86948
48573 30755 56012 52511 57237 62934 35538 13242 52060 04955
86352 48320 28082 16618 25497 11371 42049 40975 62974 53540
15564 50045 27156 98163 03266 38106 67826 76123 57740

20529/20251/19647/19121/18234/17434 kHz, 17-09, 0630/0640/0650/0700/0710/0720 UTC. Message

20529/20251 kHz, 18-09, 0630/0640 UTC

00340 00377 90023 71371 43024 59735 23535 25360 88381 42763
87759 38884 25904 82741 03415 16105 93981 01726 59845 37815
78490 94475 60548 31381 26938 23395 54592 17944 39608 54064
75390 47096 81149 07711 05345 97527 68363 75142 13834 31118
22552 64687 51272 81140 22658 99493 66020 51577 58166 49646
33586 44559 74664 21466 23243 13006 66816 58641 44433 19628
05143 05590 85750 34317 67371 40662 57733 18193 77395 05886
47741 18839 87890 28726 15262 13803 43203 79406 08723 27443
57373 03014 59776 89961 20477 30831 72431 59683 84466 92338
30711 09721 30709 94204 25975 16961 78935 16955 13769 81994
41760 47826 74180 52280 01904 14747 56667 45937 06203 09440
69802 87409 49917 16989 62254 02128 45812 95787 13839 36540
68230 98048 33726 85055 75173 38020 88128 93685 02751 98299
34866 26247 65637 26728 85681 09546 28832 07496 88057 05730
74162 26493 53479 75026 22536 43301 59803 13720 31950 23846
71148 83146 03116 77227 13763 43710 14100 89124 77105 63882
26617 62981 43186 07903 74572 43554 21772 23189 31306 52707
73294 38316 07730 08108 62376 41736 44569 58699 62519 31872
78216 74408 61734 78903 27151 51719 23131 88408 12964 41971
95444 39707 30390 24174 79112 11181 83306 45576 00453 78980
21529 36613 82412 79242 50550 32832 75415 95006 14851 72026
99140 55400 26604 45232 85665 52207 01246 64281 80750 22853
20422 33362 10224 89334 57261 33586 07925 83554 28995 51195
58429 98991 58245 83537 10343 41602 91995 82491 28352 94318
76302 28123 73557 40937 42829 40044 13103 85156 38508 26904
09934 19024 64824 77599 58557 88165 26389 93077 21980 16963
24906 91860 66011 63654 13596 00149 97154 43066 34889 44063

60211 18754 35928 86431 46549 92297 59804 69286 46504 17217
20483 22768 45046 02090 41260 39405 34166 80645 24979 22176
15213 98916 60510 11389 69411 84441 62111 09902 27340 42680
42888 70035 50267 94443 66692 91179 83094 78392 31049 66259
28360 57101 46572 04763 96479 02137 46813 63920 22394 74190
65981 16509 18086 12712 28849 61293 58242 24539 17019 62107
30186 49902 41945 03824 74327 50446 72500 50601 35397 50080
56309 55773 49595 58719 93815 58110 52344 55746 14909 67273
37627 98189 87506 53149 76698 26379 51949 37554 65593 05398
32936 58554 61372 68941 36072 78457 15156 42748 30435 46032
29636 96211 28523 72312 17880 10207 66912 59365 18896 67206

18234 kHz, 19-09, 0710 UTC Message

20529/20251/19647/19121/18234 kHz, 20-09, 0630/0640/0650/0700/0710 UTC

00740 00421 33803 58064 41137 73949 22452 02837 31345 92861
10252 19315 96164 53947 32074 32611 12067 04011 01981 31688
54136 87204 76809 78901 70686 85703 26449 68816 49918 64937
50930 79790 48471 63083 31456 66181 46998 48848 52811 93213
48324 27212 75780 05260 83830 83639 95593 85626 29070 56560
18996 14037 48483 27726 04241 79121 94480 54901 87376 55432
47499 53634 52917 66406 41931 30461 70842 33080 22490 65891
85612 63217 51199 08766 83363 26924 11424 71548 95069 87046
90109 40821 39745 93357 45940 36892 31306 20745 58842 52334
71699 92095 61470 97377 45714 94688 74293 09373 63328 53368
12796 62512 63136 63177 70946 55778 62837 39717 44361 77316
67697 22932 59830 00329 65322 06677 13889 59559 21466 05038
99154 50097 74237 70155 93190 93516 01746 53821 63051 88674
52629 02051 08219 41701 74250 27596 77684 76566 22410 90161
74054 91587 76382 81524 84635 48767 32264 61140 32055 39036
80799 14733 88906 58289 54213 62698 88274 92979 68985 77429
54031 09015 76665 55686 24686 65646 14712 18129 26078 37725
28992 37321 37148 30304 30983 07566 73714 92711 85518 45423
61251 40604 21766 24014 07875 37895 13143 49929 87486 11551
39321 84703 07581 44980 36129 65038 14922 20695 56838 18989
34054 14135 35062 94328 10043 43477 77584 58602 27306 46647
88983 95561 07460 23562 16178 13427 87248 52650 47811 86789
52502 64782 30641 14526 98403 44287 29740 92167 94173 65943
92642 53018 35873 66529 11368 47115 05542 27437 13971 64396
60310 54540 22622 40839 22567 43759 77243 84017 28801 22702
77789 62271 72883 70047 66486 69271 83493 20535 95924 65755
13737 85415 64427 61361 54003 35964 59687 40930 12194 69062
07884 59811 38679 83413 26479 97960 42159 89800 91957 54644
67043 45721 63365 71471 88153 30371 80134 65825 00043 42096
63620 85005 31511 48215 50658 74893 90112 61260 86835 86602
84070 36313 71823 59738 14817 17977 23591 89468 43568 68524
27111 93691 28576 41279 98710 68015 22050 92954 73206 23632
55829 93861 40886 70096 05441 22878 28299 90463 32755 51584
07848 80898 02965 05355 70572 30730 73897 03626 56654 70176
06779 90664 22256 31517 14984 69927 56429 90230 49503 82642
52843 97157 88053 63203 30773 90208 95425 01726 54297 91938
89677 33127 56713 91982 60676 46212 90726 23221 70706 67980
94117 18424 36299 03030 16852 65163 71604 09368 55112 35512
66447 38067 40960 50112 98740 10689 92843 39761 74581 80363
35303 72170 49327 64715 80497 73651 33950 30273 70840 68770
79200 33207 19524 81521 88523 34419 60857 85022 46351 65608
18603 86056 46613 18785 25490 51609 92166 06601 93241 49986
53367 50965 48639 56741

19298/18208/17419 kHz, 11-09, 1020/1030/1040 UTC. Message**19298/18208/17419 kHz, 12-09, 1020/1030/1040 UTC**

00869 00342 08516 01954 97292 76254 93753 70790 18516 22707
87409 42113 55737 23069 43229 10845 44375 55881 11533 75688
64937 65871 26848 04123 11768 68415 66947 10068 97225 14308
44673 77446 39807 74980 54282 66563 65716 45819 77420 94054
41000 92033 25653 45765 13328 61103 38873 43321 88266 43067
58468 36223 96883 51170 16918 09173 58844 04391 88184 28877
09306 83685 73564 04208 78033 09963 02305 80756 69775 76654
45128 98555 78469 17478 33698 72903 40117 81082 90685 51663
29442 23426 20800 54158 54829 08449 80550 88636 58061 44109
07628 61323 56633 48543 84746 57314 18469 21445 66731 03364
58798 58216 73634 12613 97837 60921 57753 79415 16471 44004
68854 77862 13695 27521 99333 74670 62885 08444 48366 70482
29410 13666 22694 23676 69015 83801 31822 28815 32720 77383
54433 08772 14350 77231 92864 71225 49890 08186 56219 93907
50695 00036 72164 14047 76154 29765 47629 19112 49108 98865
94428 99062 72066 96146 74052 45129 35521 48858 43486 14135
18889 27827 46684 39087 88579 50181 63511 26462 44656 28208
35889 54698 63184 55469 19887 28273 31101 08646 37411 39260
36172 22810 80005 33763 82843 55259 45065 08200 12078 36623
34603 00932 64499 31084 74907 22867 54441 33077 23366 25872
66243 21166 74444 20888 63076 39730 34878 06597 76257 44779
03627 15773 00436 04326 77961 96188 47009 12920 55132 33209
03376 44308 13284 96920 92503 33956 90097 21100 80560 97008
73871 08423 83180 22547 63005 04005 48354 58806 70686 33223
08380 30006 31842 66398 44006 08819 00395 60173 64111 77708
75856 31430 76843 80244 22485 20944 06881 77533 18384 28008
49631 00777 36024 79238 71956 95200 42692 77887 31318 62955
47833 87091 42233 11909 03607 73366 03365 44883 52813 83664
33361 28823 56877 00842 21150 32291 21468 93923 00053 52061
07113 70818 31522 42566 93590 04612 94071 62701 85440 48803
55034 22605 28854 00065 30883 88765 99995 64023 75526 38016
07567 61886 13608 33718 93655 08806 56688 33183 57067 39663
63722 48767 77833 78255 55732 77703 55558 88664 19318 00002
78295 44661 50331 03908 11538 00855 00870 55800 70955 32284
32224 66443 18385 50824 40001

20536/19642/19298/18208/17419/16329 kHz, 13-09, 1000/1010/1020/1030/1040/1050 UTC

00359 00379 91058 89355 33266 65780 24380 64877 65566 23035
74888 47922 82832 23337 96332 34043 63309 79988 00851 27224
57556 37780 07776 03275 17666 46611 11988 93364 15260 86677
82289 44792 55639 44953 25936 39974 87738 34233 65637 94822
81277 23337 61269 45662 45900 27766 44533 27085 51460 50311
44233 66855 25045 74006 37384 18658 11449 77773 70568 88133
44482 21015 48926 78878 38745 33307 82881 37899 87669 56368
43313 33366 03290 06027 46095 34419 77500 61023 58372 90058
91886 93100 41903 64948 43443 66403 18746 91522 06569 06178
18424 92963 66663 77492 40340 49112 74400 82390 06016 55944
44424 16644 33315 95090 96966 14557 72594 19017 28010 02955
32247 59525 29401 79509 95556 60270 90000 83877 24334 33341
00260 97657 30210 98890 37944 60349 64400 16796 55676 96882
66677 95008 56666 32468 45633 74932 64195 46800 67950 39286
38807 00729 63501 04603 63929 58888 63561 84143 90935 88869
59000 90322 56955 72674 05533 44665 76223 39123 57146 36647
47744 55788 43330 20037 32956 47127 03518 76922 33765 11614
96073 32288 16026 76147 99422 09431 27256 25716 26960 79045
96776 82257 25760 85616 37781 69574 38163 83331 36824 90966
88617 25072 89664 31302 91441 78888 47388 22363 61546 16802
55379 66628 50277 69211 83994 15802 74405 70807 72140 96000

27409 60607 11162 78099 38860 54485 29937 67712 93355 73381
08964 10186 50077 32907 22995 70001 43633 84723 94644 11524
61122 94892 64069 00158 23666 10157 31880 55538 01611 19979
95168 67344 00190 40713 63557 28000 12909 00564 91440 26055
48070 79684 39997 88264 07838 35192 26520 07369 36225 12993
61167 89681 66201 51616 33877 22516 95537 02224 44433 19703
33505 73386 66091 71775 78112 41608 09995 09394 79349 04885
58991 32068 92281 68448 73452 82477 58884 65844 02210 84472
93635 24600 10112 88627 58800 04486 91152 58573 06735 30041
31471 00905 57129 71737 92449 74670 13593 66630 00052 66228
25196 17126 28019 31339 44999 22299 96388 06552 78163 51529
66630 20733 99683 55960 26066 08894 53176 77462 00555 72725
50455 51311 02558 48307 73512 47176 84938 11444 65998 87780
68853 88252 55652 36090 62266 65509 95590 88772 33726 38700
09077 83499 80409 55105 44400 00738 00221 90068 45671 83555
11484 36129 56055 37225 15773 73774 14468 78700 57825 07714
35159 74844 31543 79381 82665 88377 44880 63592 02684 49556
12302 54413

19298 kHz, 14-09, 1020 UTC

00480 00328 26317 88020 00480 83011 46266 60602 47428 16611
82667 74223 46215 23020 81481 87380 65036 13610 77683 36260
15666 37777 05660 86161 58300 24203 62660 50412 81883 43435
18466 56611 34333 38579 02614 33135 16066 16518 66303 74744
41162 44667 27834 84862 84453 99582 25070 08829 02563 39053
22447 27794 61010 10036 91389 44272 62166 30233 37619 85165
30260 86643 67706 84992 99261 35144 48899 06635 10417 58346
82214 56518 45315 03849 75088 60007 09944 00786 12708 48828
00220 43821 47938 52820 10877 88554 85590 13388 48189 56340
59966 08582 77788 81125 44474 55417 65858 22844 84609 39308
49691 18335 88400 33115 56737 65016 72477 58077 35946 10381
34228 62368 16435 77788 84833 65327 48804 15765 63335 08586
38563 34492 58444 53065 88378 85490 77618 53188 59454 28670
85046 77772 15076 63388 00136 81885 54210 03733 86082 45958
07177 36519 78450 27807 11000 86587 68277 00009 87180 68056
06613 66684 58934 76003 08645 13199 58788 24335 45736 60256
85307 17288 87605 06266 24223 57225 46283 43135 67543 03048
00007 44061 18781 28046 02308 01033 57044 20637 30063 78000
28102 78509 67775 81307 23057 34862 18067 28871 43543 85835
11006 38884 57885 35826 49550 88888 38913 61163 02464 63685
50213 13142 21443 93121 56949 61430 30283 20888 83705 07702
57157 29040 83370 45055 21043 17887 51280 07187 82117 80360
30258 18200 00480 72716 80831 71110 76164 73863 78485 13508
62128 84754 27253 66366 40455 13040 47044 62760 33358 51414
84667 77178 44255 45950 37778 83043 55512 12840 03772 21542
36616 21715 88955 11002 23327 21112 13670 57737 12191 85726
73355 56228 52392 70186 33572 71190 00777 06993 94588 18883
70831 78409 72738 11702 85701 43078 63045 44529 33938 77886
15708 63334 80191 46833 65891 21412 85909 16160 43849 18463
00379 88217 58680 47730 77149 38339 34776 65067 01378 66476
91166 47418 18250 75668 60809 59106 58866 66243 15333 70347
58855 58130 24788 24303 77717 11030 66136 05548 93303 12159
65380 84625 43032 66124 16623 82523 17728 23337 34551 57362
18292 87866 42151 66451 85619 67189 56084 94411 76022 16685
72335 27556 99659 83600 58506 31238 63518 33377 77712 77008
61102 29237 80663 88117 90005 06530 94474 31124 68144 78284
40478 34968 22700 59036 51044 60878 05889 56346 28682 02828
33945 81713 19515 77618 40723 47723 84754 69440 16617 66384
19994 83349 45294 47322 95159 89044 17113 64922 77344 77878
71713 13859 26266 07747 66106 36466 95944 40722 21446 87427
34249 06172 04694 65883 32172 80477 08711 02144 46494 32381
22775 26034 25506 91658 59279 56127 88673 74268 63766 62999
33655 30055 88888 31703 20014 29976 55336 00667 01312 02256
70555

20536/19642/19298/18208/17419 kHz, 15-09, 1000/1010/1020/1030/1040 UTC

00562 00401 84778 78633 63830 83443 88208 65468 20088 83657
56579 88251 53016 58088 36610 66502 01663 83323 28165 81338
85554 66788 22772 43169 56339 76373 08861 86666 28583 30138
30025 47810 02856 11311 32470 92260 79927 06339 77119 33449
77460 82325 76165 46688 99474 95117 68558 13326 11548 30033
61623 76266 46661 42063 80163 14833 18880 30708 22183 76567
63383 01608 47764 00850 62520 08558 86283 30583 26627 33360
76563 84211 16084 84625 03888 13128 80511 76083 44683 61100
16714 84433 63840 76558 57403 33656 00258 48881 32256 16427
63368 48117 82233 88660 58844 65640 34550 85114 83055 88815
88922 27863 77787 78288 43458 66299 70072 52935 49086 66034
33319 32806 66014 61882 70651 79957 27756 60315 32335 18874
08333 46313 88336 08000 60888 38356 11078 25420 35770 28235
78577 84307 01027 64766 62266 88850 06636 95662 34088 82214
72682 46211 00785 66110 82106 40562 72101 11260 08808 78886
47995 63233 32779 65180 80315 52519 27626 77686 06288 15002
63110 44441 17165 20851 75456 38900 30779 00136 99704 81999
72220 32083 26116 60220 46190 62078 45618 22003 25883 20326
54141 80816 06611 56663 80238 04333 42628 36845 84461 08657
60114 28039 88363 18996 17993 28130 30155 79933 88664 33285
08782 61065 11555 37778 05775 15802 48016 82557 18990 18336
06900 05500 52803 66869 49949 73403 36918 60399 30600 80012
76281 83822 26664 88847 21675 44181 33728 07109 32226 18048
31922 65673 33349 81586 10533 03076 69261 70611 50887 63336
56226 66668 17744 55123 02856 44712 65234 00493 68045 44589
91222 68663 39331 08651 58011 15849 35391 21607 14332 60582
71162 30787 30331 00931 76413 31116 71161 71106 56225 46863
03130 66304 09392 66262 23786 16112 66077 60448 77090 66861
68845 32235 38172 86636 26825 61157 26332 24687 23583 04785
66683 36544 55280 90304 81163 16528 28738 16913 78700 61629
82550 03028 55267 11182 30447 24917 60371 63057 84864 41800
39771 74840 44515 48369 90645 39937 02624 42694 73004 23255
14884 47464 46622 51430 79168 66486 00024 18887 84009 07257
86472 59162 80838 25461 84400 65917 66866 15990 57188 01908
01786 63283 38831 81781 65023 92852 83137 06900 99657 52226
13904 87033 32788 55454 46744 35086 56404 03836 33012 73960
13892 41383 78947 77607 55326 80607 94001 19053 63958 24728
62969 86632 85504 72206 22468 51599 06632 65839 86406 86315
73347 04114 19229 31882 93351 99328 16363 25383 77615 48223
08513 63130 72866 82227 88014 60402 83335 62223 26455 84414
88849 74084 42950 44660

19642 kHz, 16-09, 1010 UTC

00758 00407 55597 57461 27184 83756 63777 22335 55528 71779
72519 46821 68226 00912 61036 25196 92158 12284 48817 88614
67203 94615 85966 23014 07707 40580 99692 57377112137 24444
89155 52857 88499 38225 77894 94482 20601 40112 69446 25632
00722 93111 71440 87117 35838 17958 78195 26678 85566 68715
21270 52665 88969 38229 24423 88899 71117 31081 40553 87602
84452 06308 00288 20522 82441 20662 49311 38892 22006 66543
13393 42877 43845 22075 97779 75068 12174 88836 77176 88847
41283 61903 62811 36331 04722 88190 05388 60248 02811 89794
22274 88609 88655 98742 41557 78442 82835 50006 03666 06065
68626 48202 97661 29911 66321 77401 07218 75773 44359 59344
74824 72269 43904 60816 36219 11166 32297 7296 25777 5425
66874 88960 36081 33221 43169 14873 43259 42223 81316 13344
81132 62155 94159 87110 21100 02181 77031 33888 77010 2732
08873 78001 18888 44456 03868 50083 45605 28888 44623 19556
3102 09871 2421 55415 49222 79574 13011 51438 75851 34447
23441 66113 84455 25904 56121 177687 71198 62802 29505 33026
34028 09508 95953 98478 3327 88871 57860 91722 28321 22074
78156 4458 96377 51910 72477 82260 36939 43777 21090 40533

88157 25581 48025 41562 93177 33658 83435 98894 77224 01100
72873 22911 88183 21585 94477 31518 1281 26737 06129 60327
10713 21186 12197 93665 56288 19683 68333 42544 54476 74659
67728 23377 50901 87060 44878 9997 61772 54390 05300 5526
05366 75865 14388 66252 18001 05244 04263 64692 57432 40908
68443 00100 27613 65472 33822 66751 0237 44258 75271 53393
73912 30980 38618 82463 26170 25898 11119 0023 76776 85019
60044 55224 21436 05500 54888 34346 05996 96843 76563 50044
24210 95040 84121 33567 06314 55226 96788 73218 67249 77706
07063 07213 69116 31807 25503 54354 27237 11814 89981 77503
74224 4030 98085 72330 70862 08807 887623 22013 05571 95771
60954 05429 78583 34226 38071 77782 55858 2505 76257 60640
41836 72269 22773 88677 77966 52830 80406 68627 67997 90633
96599 85091 96961 94168 55887 20280 95853 11609 41603 07397
66762 66445 82447 61176 16062 01623 27629 33890 02633 47708
08786 11986 44455 38338 38665 11455 76255 98384 93333 0803
18511 09135 53004 05944 93272 65761 07476 75411 68408 08792
81927 33127 81234 57761 73666 77080 49922 5249 73516 65332
35200 56506 76884 31166 82128 84401 38535 47622 55503 1421
50013 88556 17274 34671 884 66617 07631 66801 72992 40099
83136 42214 64477 83940 55791 65347 29850 76683 54560 51574
0654 6669 04767 71889 71829 51994 32240 11737 33706 77001

20536/19642/19298/18208/17419/16329 kHz, 17-09, 1000/1010/1020/1030/1040/1050 UTC

00422 00386 11197 26131 23566 51803 10278 43334 31959 16755
01477 29753 54212 74739 82533 92405 63592 91784 07735 39296
97916 06083 81301 30601 61086 85876 07065 51994 44674 95026
61608 22506 73908 24584 72278 32412 36226 69177 62265 23063
69481 44390 04237 50404 02133 82301 18666 83510 37643 60538
39414 34337 47088 19607 58268 43429 55241 80594 65043 37689
44738 58282 98659 36931 55145 78969 55843 29628 02461 50120
56178 94414 29519 84670 69814 53526 01846 30897 28468 78784
67209 23553 14351 84134 55612 27271 75417 54301 66314 28849
77170 55631 04133 24575 78324 11199 45730 67304 95257 23162
26457 89037 81049 87522 04359 44999 04817 62417 49791 04742
41583 24344 52125 86258 70478 21184 43930 14524 81318 27873
03552 01541 63312 73611 72948 00547 90280 04943 06345 58615
07795 34540 35638 05305 52326 78170 42503 26828 79774 10613
22454 12999 04510 61572 87264 52826 03505 17873 54096 57139
67267 31205 85985 67383 19610 24916 25725 07438 14573 03812
54717 99873 56071 91174 96945 07042 88704 46820 33932 92306
78680 17102 34749 70705 05419 90551 97030 01739 86345 20122
97040 72406 50846 49204 91347 76589 48553 68253 85694 27410
52445 35064 12254 75962 55894 22580 56927 13334 64626 80222
64121 56684 83940 61788 78458 50164 96455 15280 61964 29057
27884 23985 21092 94450 06770 82310 49026 06866 99826 20356
58488 20450 61124 06522 39861 43615 04847 58786 14810 82838
33624 83696 37112 06123 55999 40356 88465 89057 70745 41182
80132 33272 06289 56637 99524 28459 13972 17803 69191 73583
73552 50060 13506 44269 21733 43670 95558 77417 21926 34842
45316 37669 00470 79125 95432 44186 86872 14968 38450 66412
93843 59968 36119 58644 40222 25215 14161 04487 06996 11401
29642 87043 89593 41226 09285 83562 70189 82841 84388 12329
44797 11047 67130 35903 95865 42463 32802 27163 61203 55337
41585 99003 79352 02778 79738 13584 13940 54861 04046 96417
29509 91071 70421 10524 05199 58272 48074 59242 69839 11869
73996 94030 30579 26121 21615 82796 92836 00216 62777 97758
92412 86996 43282 51658 69814 30638 07690 86814 61487 95700
69622 15328 88794 87870 82818 53724 40625 56605 30703 37592
94387 73558 57322 49334 81340 47554 68423 53231 81162 96940
20746 13723 92082 06287 04104 42511 47788 18763 40708 74560
50581 61259 97754 74138 42246 58667 05235 42708 43301 67889
42171 36230 69512 25185 03371 18853 29674 93947 60135

20536/19642/19298/18208/17419/16329 kHz, 18-09, 1000/1010/1020/1030/1040/1050 UTC

00837 00332 53722 47491 49018 91551 29657 21093 99881 64116
28731 59961 87633 17981 11544 07258 09358 62625 54614 86946
79142 61517 73844 92797 16586 07905 38698 59872 18868 04278
52034 52122 23134 05994 50494 91769 81843 80274 34575 59200
83548 50499 70689 40298 57100 52804 36689 57153 63988 26803
30758 39280 82705 85290 64536 90420 08158 60923 31104 41112
52853 69784 02224 95602 12081 76608 36826 81639 65486 19774
25413 29082 28050 95412 03397 28643 90827 33546 35697 63581
71215 81543 95883 92064 73519 12753 69415 37843 41456 60072
83610 20920 49169 93462 06347 13764 48274 75085 28216 80490
15977 55048 91666 44213 01389 01675 11230 87292 81892 35893
99592 74611 25226 67522 69895 71308 73900 10159 22083 99327
07193 98982 40182 05413 36163 03393 79912 34587 89064 89631
80367 15741 05330 55205 47603 16167 89876 51669 90765 71843
01523 82121 55950 05563 60478 08999 95693 81646 23566 35038
39863 38114 53002 28887 73297 16994 14865 86252 08050 96894
21762 76632 98227 92259 55524 83851 69280 70019 19919 53728
81430 22230 19483 50238 97803 25070 43032 34619 44933 27163
08799 98264 11021 54025 49768 42253 62738 76441 81907 30608
01302 03624 43618 93780 50080 24880 83893 63689 50037 76626
38717 25673 61726 69836 53607 17632 18631 02763 31082 48226
73961 80244 41318 80885 88094 23496 64621 44201 42490 13271
21113 92837 88110 89310 52426 77805 78610 25702 00158 72923
41176 79341 84580 68306 87444 83124 36538 41182 00418 32136
23621 59974 45359 33680 56645 21056 62305 62732 05685 26584
59258 39691 21198 36765 55513 46879 37562 72415 17410 75800
39020 92928 02605 58158 07050 94618 95662 73010 93439 04969
86957 24438 43783 10354 89648 61137 47478 54429 32664 31369
15500 15878 20016 73573 13665 01484 58143 47814 12793 40565
45562 64121 23772 24616 93115 30692 57369 87199 26630 62026
25392 89293 69291 00715 39625 34819 95907 10843 47115 94374
99399 83131 39751 86039 60299 23141 72911 29031 44492 05566
36475 47848 60217 52874 59405 22835 00666 19166 17238 58956
03768 60277 27700 70636 75777

20536/19642/19298/18208/17419/16329 kHz, 19-09, 1000/1010/1020/1030/1040/1050 UTC

00572 00338 98530 87264 96497 43459 39207 63419 81633 03589
66179 94656 35784 09680 25457 98354 99826 92680 05833 44993
87601 35060 80607 23756 01744 82461 33292 66540 52068 74053
31950 69380 44327 71860 88937 75071 71287 07881 50536 20626
48408 51762 75904 05832 63012 44010 81640 21283 66064 48387
93460 64032 76122 13230 44956 82371 07693 74774 85520 14035
10167 72665 11351 07580 71638 96797 50329 63922 20741 50385
27067 91944 42144 85206 96584 35838 59155 74774 60743 57732
00820 12008 00476 03680 80591 67916 93257 31096 26904 06566
67377 96511 22359 36500 10458 75741 40411 68323 34193 66213
93680 17717 00542 15678 21320 01516 21887 90914 16645 09117
23216 32917 14031 27788 13214 98157 72189 07670 26988 03721
03539 19232 37018 14175 83007 30554 69584 05644 74747 20842
95426 90830 40581 94528 64050 83102 11466 84796 82359 79074
46029 02342 14450 17786 83349 34459 82480 94570 23285 12300
03552 32741 41334 30471 62673 74447 80698 86365 32670 90764
31930 16243 16167 95801 13690 32384 92334 19501 63736 30111
86691 87392 25309 47912 57691 01196 04782 19231 30825 48547
48072 75012 82358 62446 17290 62684 49496 10110 31854 89602
02404 25099 52125 91594 47144 29785 86174 18647 04096 50965
42123 62978 30834 93172 25607 16158 07432 93421 72779 61477
69665 61466 55540 84121 42691 56916 33883 53719 78511 51004
82886 82224 87646 74132 27707 61592 35266 33713 00768 27905
15021 86133 15135 79859 06424 85093 44178 89184 36839 01131
55252 56073 37330 70376 19936 40936 69557 68003 48903 90226

95901 32454 40135 53090 68077 59898 75331 56700 65465 64013
80891 73717 92652 44873 46455 83531 46330 75680 77697 57597
12738 44698 16880 77379 95750 26813 44894 17270 54195 86769
92034 67261 84809 10540 32003 82565 45997 62043 11782 46525
09761 87476 23719 72824 20239 81534 63420 92455 23920 36404
94605 93875 90305 91304 77488 51203 15574 62754 57338 41264
15003 58061 02504 78694 71978 13629 88906 82112 12870 63889
37533 84285 63898 31171 47835 25260 20978 44055 57140 14216
63391 52438 93349 17791 92163 98157 76955 93503 33050 80799
24154

20536/19642/19298/18208/17419/16329 kHz, 20-09, 1000/1010/1020/1030/1040/1050 UTC

00145 00338 74784 02294 84551 91544 31518 26414 60026 92379
31588 73491 96854 30314 31622 32187 65892 43313 00688 64470
69482 60547 80738 53232 88559 22896 55195 39980 70177 99350
34784 52477 48857 89520 67188 69940 72739 56718 88643 04707
46606 18156 16233 35792 80567 42285 14637 08872 54815 21855
29686 38815 91885 69509 65020 16608 08092 21552 03733 61555
36349 91536 56225 60675 57594 78009 23633 07333 62224 61691
69457 09173 65658 05881 17863 51326 44313 44945 72664 56274
08258 46323 85164 48332 69664 94968 60580 00336 24500 49580
61847 50087 52984 26998 68356 55068 61929 55556 78196 01447
18651 07303 45646 93123 52397 20512 74056 85904 51645 13694
73294 63145 48887 47458 53396 90025 06372 07893 90010 62625
18529 33285 82832 13644 99841 18270 56188 38759 37623 62793
89395 88656 66647 71117 37622 00955 00676 91030 95933 49151
20912 74685 27701 00805 66285 88702 02300 05526 73601 78330
48686 54036 64545 15571 82916 75365 24470 32002 93280 34127
63323 35286 48280 88850 24288 84536 96396 77668 08835 52441
89349 14331 00958 41858 41713 33842 14583 72026 37358 01139
15970 50661 65157 59292 14087 35358 23100 50066 88299 62256
66483 68672 87658 61805 84827 85614 26404 38849 86506 91747
02305 24630 95690 11160 88879 34365 32078 22687 73857 39073
60780 52442 94643 92141 18157 13661 70138 88976 74753 88939
60326 45119 89368 46577 75956 20666 15571 50152 57029 56097
17438 74732 85519 45610 98832 91338 54969 43997 70312 79731
93279 01522 77318 49225 01475 24041 74028 06617 33647 71166
15476 37417 65095 87566 31320 57084 35261 48003 45202 68302
18793 91924 65657 17759 21635 86047 66822 49032 93307 26818
58690 26140 18674 95020 95659 58803 67900 40142 46002 51915
46647 08853 06504 85762 30611 80020 08637 87851 13189 31648
56077 06856 88793 01119 60937 01354 35864 59559 26580 14326
57008 24995 13309 16829 12465 88334 18742 77773 01907 72615
89183 95007 02000 93286 11655 08738 85420 78793 77136 31614
75310 78969 34842 51558 70739 51833 27346 16665 33083 83203
22938 08340 12552 30665 84795 11551 85632 89664 63377 51285
61277 39562 86044 41572 42563 60958 04844 05506 80352 50086
15933 56070 82421 85874 39015 78147 90151 61749 46089 60640
61888 02066 35990 06600 48676 80832 82565 71334 88489 00004
14195 95745 06406 25851 80335 36847 92923 93268 98884 08780
46888 11839 36312 82884 78361 66867 24887 26566 91559 16647
31488 33884 33584 12747 89296 59201 03572 78443 91885 71720
78392 33509 07015 80347 36902 20187 49663 56570 05638 02167
85223 96881 62753 36308 13651 40148 65762 53004 29229 82807
54924 55888 79674 81842 68505 80299 51160 93658 36553 10034
33275 14480 01373 27274 31387 13479 14824 55863 46081 58184
42361

19298/16329 kHz, 21-09, 1020/1050 UTC

00986 00448 79163 79029 16381 40506 93006 83545 13426 76184
35177 86336 53231 81447 14730 72959 20306 17033 00749 27160
82271 84521 86453 15438 10016 11330 25632 50446 88359 65251
78084 37943 16902 80356 45234 78514 44649 28740 81575 48710

60367 78638 42203 66981 92266 07186 78930 35481 87266 57053
09953 78215 62803 51674 65044 89537 12045 63724 69012 05050
14873 42560 95185 48174 98099 97233 69433 72873 36212 36215
28309 91565 35456 52038 66792 03633 42317 19471 23171 02830
32399 90149 63179 31305 55298 99867 75138 65226 15312 55696
66468 80923 59726 76525 33836 17806 83451 94028 68881 95031
37751 06056 99268 51050 28743 18386 42758 10764 84881 61410
47220 92572 40553 66182 72650 24723 79380 63879 92874 98231
22094 04207 57561 80515 69745 47385 31838 58930 18202 48985
20180 48288 50589 28138 65077 26343 90880 12128 02561 36911
57108 64374 80344 53900 08475 73895 40369 93543 03874 09112
38424 19572 01153 70649 72937 33544 48494 18753 81304 81357
86547 83827 92561 35895 41229 98931 41983 12414 01104 46307
33842 67252 61317 55963 41122 57719 23861 03660 72039 95849
07015 38293 55056 09089 10561 00608 47134 79938 55200 31533
77847 72126 30823 21203 50363 73280 71812 44448 12670 09543
31911 27955 92439 57566 75269 71171 58253 45188 29526 15218
09682 44834 46712 85453 74342 48253 28771 83472 25334 40621
51796 62043 57213 69570 68458 61714 36429 40114 05600 67841
85906 79411 90988 62496 63937 79059 45853 97488 33818 39389
42353 01945 50412 39982 21850 33013 25413 45368 46860 02109
44509 88339 19114 72048 57745 69866 70740 22869 89107 13554
34741 18139 39588 61684 29311 30269 53845 84215 21515 95281
02400 31281 49653 85944 98266 49851 11631 17231 47719 35444
36300 91060 93252 03490 23332 97565 60297 18939 04750 94070
08319 22984 08381 20263 04647 24214 62356 88727 10670 91580
79167 41197 23852 51577 99708 13227 38685 33169 73781 07894
58235 53508 75148 53662 77253 43680 24885 36097 38351 31744
69971 34905 79465 27444 86962 79414 22900 29389 81296 74051
87493 22902 06560 56138 56276 95102 67207 41675 03781 10104
58880 27128 45157 96854 35834 54809 47834 54717 43009 60966
99327 26258 50375 78925 21608 44261 61730 96407 64613 20293
90326 09296 51871 99728 20399 35332 46947 19010 97385 82149
76472 83209 32315 28247 72863 42843 89747 82609 91609 32153
31580 68181 86378 20330 74722 61235 72526 27634 34529 12014
33371 70799 77060 83487 19777 49583 75255 45428 76454 00501
07861 28823 57330 60858 84493 16118 93941 22128 06062 78764
54513 79119 04797 32460 88711 22144 22916 31541 25005 59163
62805 19313 84480 85371 48777 05672 06148 48827 08470 23279
67586 44318 06154 91107 24291 02756 10851 25519 35836 58604
67292 50398 21572 55763 57499 54250 66001 44599 94774 97631
12531

20536/19642/19298 kHz, 22-09, 1000/1010/1020 UTC

00671 00413 73709 19287 12329 13654 83114 70380 01239 82181
79588 95053 22197 16519 87357 87848 74184 45045 33278 50798
07615 04183 84072 09481 66192 05199 34963 46176 02294 16642
61781 82898 16609 55351 54496 72018 73471 88791 16179 31806
75085 00787 01993 85224 69549 84910 43593 29080 88818 41667
13135 08153 85605 21656 47711 34094 79711 64228 53093 07129
78690 36937 68085 84596 20400 96689 78443 66845 62021 15338
14376 85392 28865 01472 75712 06827 02190 98847 39930 81280
61605 05883 57356 60626 03507 53627 97292 94952 07640 20402
92306 09242 35697 09050 53115 38147 32700 17396 64823 72859
06467 76747 67057 73479 27290 27741 79287 84133 45942 40883
31904 80863 24297 71811 45523 72807 79580 07459 81088 66772
99396 83490 59204 41619 23031 05133 49695 19815 48356 37564
74126 84792 34023 67070 74813 84856 38824 83875 33336 75765
74339 13158 49009 66755 88497 11442 84944 63884 63526 80306
58566 25240 36307 98049 73462 22976 17542 25438 50448 22156
78044 59471 35777 08378 66755 47110 46839 57226 96997 60665
33983 95703 74122 05323 92431 86237 34480 92448 53120 11588
20188 85809 56287 68048 78996 48886 48485 35972 93606 51837

67313 13385 33427 11179 97719 14867 77380 40630 00000 41386
64602 27717 66886 02860 46323 62862 51117 30983 05618 87224
88494 25093 72317 38859 01968 92234 03184 67727 29381 17869
98624 10866 63618 45159 93351 20597 62275 62942 07602 77564
08856 93848 92448 11733 46984 92469 18923 53427 21725 16133
97767 17501 30354 06382 63341 42220 41067 94566 09211 05485
11683 09653 11249 82129 42771 53736 64098 21726 09508 25725
00587 88173 23381 28052 78368 94645 32644 60583 91874 09497
73310 49755 46002 13247 20100 81122 80510 57236 81817 51130
79529 67707 53731 02117 65881 99201 82598 10318 68970 93247
28371 97196 43919 95998 15546 09594 94119 02302 28013 68695
09575 80482 02692 99712 32173 61926 63650 98000 62028 61638
73225 06862 39908 58376 46194 32878 34441 21263 62170 79165
12046 22325 91611 98625 81125 76113 05836 50002 97700 10506
87002 78207 29222 13121 41555 99046 65015 54017 69943 03954
35551 84596 48288 07332 20022 21508 57287 85541 49804 82666
75151 72856 40131 48847 56649 87248 88870 04065 18587 56058
56090 13647 00300 51522 74634 95016 77638 26786 16821 47147
67861 80422 51318 58215 43613 27448 74036 84278 78603 59616
18825 20293 00198 15033 35353 14146 38076 80374 56470 54305
10176 60949 35430 13885 47863 21904 84296 96765 32696 25005
43869 30501 68720 02656 14805 94727 21537 81915 05233 29200
13212 04591 25461 58969 37232 16667

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16341 kHz, 11-09, 1220 UTC

00602 00227 48660 79686 54466 91407 45966 95770 93534 33152
66773 83620 47040 28783 64008 43301 19444 26609 61444 37453
90942 18336 77718 66000 50773 40133 51444 44449 20397 26290
55369 66360 70259 34477 74813 88867 27443 37782 12482 22479
04792 81717 78491 88227 05555 35564 49729 18322 84077 91477
88022 22940 49372 17424 88649 83506 78118 82558 28812 25333
44406 01966 07537 66743 77781 00513 13361 12553 44969 84039
25857 80661 14127 29055 22661 09224 39944 89389 59599 13309
90413 22968 59931 28908 28257 42429 26877 52835 35836 91306
01848 44883 09970 77147 92472 02825 06344 11247 00445 05877
22203 37175 63462 00037 55629 17271 08812 20307 84661 89424
33562 88828 22959 14503 34919 07038 42034 46464 38876 35352
73524 60524 66716 63662 81190 80972 70790 26978 35592 28836
02779 28696 78833 53612 91104 52237 69505 58893 62277 00886
33616 06680 68073 46400 47733 13019 11924 94466 52227 84333
60790 58779 72259 75192 22461 62677 60457 99799 17845 84556
46479 81833 83713 44925 85445 14855 09984 69345 23397 81680
37522 81139 83185 28880 01736 66833 92450 30306 15918 69171
59048 75223 74749 51157 69044 42999 56336 03551 11151 28427
92779 69705 42048 78620 64505 51781 22966 13147 58864 22777
03035 52578 72069 00446 48901 78550 66692 44258 73456 55617
70226 30151 83880 48673 25607 71144 07083 22556 85779 33445
58428 06332 48194 94968 88999 67825 44490 04555 63493 49953
33777 79302 70441 83040 66136 06469 02244 04203 02255 90393
66305 11177 30194 55533 58222 62627 85823 93374 53012 93350
44688 90409 02726 16318 74447 96701 03384 77099 81644 88874
38559 71127 80663 23502 11739 90922 59709 00840 82536 19138
67899 02880 29333 94484 77239 46251 61137 92559 03666 02627
80001 46715 51552 70442 05244 53467 52035 44122 08592 69333
02085 26144 22557 23179 51834 94177 31412 06691 33793 67277
02918 84883 00837 38844 02445 41818 11108 31782 39077 28196
20564 00723 40000 55771 88072 91842 10574 00611 18247 68271
38877 05586 92246 13002 17052 41745 80211 06120 33649 53422

16341 kHz, 12-09, 1220 UTC Message

20294/16341 kHz, 13-09, 1140/1220 UTC

00757 00423 70529 31449 78089 08602 21005 83392 76282 26737
04486 06920 64758 05248 32584 74144 22032 68253 01810 52023
90798 98263 02992 72144 00888 87979 85507 28291 73917 94158
45872 66510 10919 18301 00298 60435 24065 36471 39822 60852
61840 56614 62301 36717 87210 16438 42624 11684 27560 36776
02880 21288 76897 44638 26534 92488 70270 98383 30560 90109
23093 92713 09475 82123 80863 37975 96000 46456 04949 72148
50078 85560 28430 40956 90181 34184 35962 66274 84933 84448
45354 73823 00730 37141 91277 24584 89611 66279 91765 07809
90163 25680 05911 49711 37759 69126 47139 80176 55852 49235
20437 96166 06734 55411 86696 17319 92856 35941 54455 92349
06525 03995 13450 46111 44754 49369 91982 72332 90844 56279
48362 29721 54690 97139 81983 24397 79648 78717 03197 21055
87043 55784 10422 35698 64010 49186 67088 45318 50444 73958
31726 53670 11823 99414 51282 86168 12230 59798 04956 88488
77142 74806 89330 99571 00872 90715 41476 09594 73426 62298
37669 14138 32743 33400 05306 00741 93572 77751 82099 95567
82179 46664 21888 16886 24552 94691 17897 55274 45856 95814
12167 19849 73760 14707 43911 12237 66453 10849 34826 73293
07709 57494 71891 88144 36288 17588 20926 78421 94108 50541
92595 34478 77698 09388 06309 30478 52917 72444 75018 06179
72817 86201 63737 77610 50131 17819 40376 18036 89487 93067
34286 82722 42924 08805 87857 24685 74771 33742 80596 06964
73764 39475 61164 95313 03219 77687 42150 64372 08398 13433
59318 94007 35829 28646 00476 21507 93755 94279 38013 18469
77210 02890 88932 01040 16254 09873 91552 68892 21530 81622
55705 19175 91846 68054 32413 33342 25036 68422 74391 72442
75668 76003 09637 76054 33749 40278 46892 14278 08329 66349
30928 80491 95728 62127 29753 70874 50541 60124 79058 93345
86133 73256 42841 26775 57726 40143 02160 67774 96231 67132
96469 25333 19888 65569 42800 01206 93251 12878 67290 75975
62979 77274 60563 55179 50693 75213 23446 29719 38301 61538
82800 64911 89363 81045 86308 02411 33161 82861 18328 93604
38117 79116 18045 41196 69879 05595 60603 30158 19326 28546
77621 37662 92832 03082 30365 08859 12692 87661 76080 82511
16697 72440 29473 34692 84330 31558 35969 38842 79260 40388
68044 10389 94548 73684 37858 83862 59228 19367 85299 45098
14610 93286 10392 09755 83916 45137 72078 86280 50679 77448
89717 45499 06781 35816 76907 65676 49643 83351 56864 38321
69625 21760 50897 78937 60500 67231 43112 19147 65222 46502
49630 93324 02361 30982 67900 23409 62047 19718 50775 39193
59479 49687 88161 01812 50669 22544 03608 58732 96776 72181
34218 75875 62502 46978 75471 07573

20294 kHz/19468/17473, 14-09, 1140/1150/1210 UTC

00825 00414 39332 22373 75383 92365 46804 69611 77157 68468
10299 77708 72566 64904 87878 29639 32322 94692 59442 62061
31051 18710 36699 32606 36139 40955 86436 51638 07452 80896
63954 01142 90454 79852 49151 95684 67530 21439 22116 13874
22952 34472 65650 39990 59259 40411 34102 23026 97753 01352
92375 53517 33816 93421 50790 90116 27714 06726 86233 34428
05928 95165 62159 96259 04513 09156 87252 92713 15753 92193
62108 10882 72575 45568 39109 96578 53059 96707 73346 95726
06853 63410 53883 06099 88519 10437 67324 97032 29061 59033
67970 60804 35205 87687 07946 27785 72312 69389 35477 50102
53157 41388 07273 05560 39243 81493 80941 88247 54311 54210
37057 31005 33379 90505 27574 12517 41281 56051 07740 94075
41831 90219 63651 56719 24223 01303 75676 84886 37621 11323
24266 83668 61230 23243 42569 65464 56136 48323 66855 07026
29495 79076 42720 74850 21976 36964 27425 44699 60113 65427
86503 16252 61649 41400 08271 62937 77736 50553 81336 37939
05817 96053 50625 42987 29944 53388 69774 10135 47935 62109

86379 92957 89202 00713 64580 62753 47498 88799 34742 87257
73877 30976 24773 72193 24819 08013 22018 19829 14972 79630
87727 05583 66985 28915 01209 33440 28450 99732 44906 68587
67189 17290 96762 98002 79047 93544 27049 60936 76819 45516
15438 88935 15810 94077 64060 74839 71280 78431 18168 21930
31369 49944 95161 68303 74381 80795 25971 60286 99503 31139
34303 47765 43893 66154 20068 56587 34212 26769 93144 31273
80963 61081 43009 69455 64192 98791 89772 72907 64854 26368
62159 50018 81564 22975 37217 17244 22127 28458 23621 98250
67572 66761 61432 45679 11213 67672 45041 49654 74008 07473
40627 44510 85285 86893 40966 70286 06935 25706 04111 75589
91021 53062 95431 73134 68979 84284 66200 20918 28937 02824
34460 05753 03148 94893 63699 14202 99648 97328 58241 96519
53749 40118 98898 57380 85740 17649 64731 94669 82008 66929
10308 96420 24347 48030 07229 14509 71328 88296 76699 26928
01471 24122 20716 71184 73012 34873 41361 90391 23193 26764
70637 09605 67463 07591 21839 50902 54163 38050 87392 51330
19552 71529 38909 62006 92514 38038 81405 55117 87663 49190
42872 11351 20629 31313 95047 29627 19402 27713 84367 50867
76286 74338 71476 55244 96291 00703 28956 16755 26190 56325
60345 33277 00904 25368 07375 29941 85212 58708 78668 34973
53467 86243 02727 74002 83890 59285 88974 36150 12543 92211
31500 26449 53682 36525 75042 45212 00053 83664 65714 91810
09082 64649 28926 31338 88843 09594 10447 95259 23938 65105
44413 60692 49044 49394 97399 90042 47101

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20561/20294/19548/18081/17473/16341 kHz, 16-09, 1130/1140/1150/1200/1210/1220 UTC

00501 00395 36762 81920 26774 39833 36001 61181 52693 50394
72841 32634 47095 79713 22777 01154 93002 62366 27677 89953
81143 72880 21133 18712 08838 79477 47487 92878 91214 97173
60164 06786 38340 83593 35131 09294 30383 37034 55807 48667
81619 00946 94894 26433 01929 57655 43293 90900 77986 12486
94606 73216 58719 69442 51057 74567 24157 18050 73081 47296
92345 43122 69965 55518 90229 66055 94292 63501 44582 13483
70770 55967 00559 79009 08334 80696 77985 94699 16782 51182
36184 56585 19891 78728 02566 86946 48065 68897 32535 60562
85135 12332 63951 08511 56320 38496 30980 39375 36203 35872
63362 79790 46318 59503 41714 38638 66657 79708 61108 77360
96580 29457 01267 21899 11111 35760 23230 91235 52951 03283
17990 25395 30965 84018 28346 58438 92015 98046 22689 69836
49716 38610 58496 80909 87818 56392 10266 60387 37014 63927
20289 68356 07789 62174 63981 55678 11064 42051 97398 20560
11265 39743 86422 32918 17882 37967 48825 62299 31156 83274
46622 68609 57019 91270 20643 57970 00959 20357 34079 54718
25493 62842 54221 89023 82992 49632 17605 68789 20037 72667
47373 49963 00647 02128 54571 09973 52186 25576 63026 49851
07566 47966 29231 53738 17305 51678 11337 16517 41531 06010
84717 90706 07971 42679 95065 52422 85520 97398 49926 68248
20361 80034 42262 58488 35901 96657 67961 54890 36666 10670
05784 45388 57330 84227 47151 77526 33611 00483 71718 31314
38295 01087 27258 14026 87948 56665 41992 57967 07062 02148
24451 54787 75649 94776 29490 27531 05703 00741 17836 20646
83715 56446 79817 30861 00226 39334 33376 23743 95527 17539
18810 85037 25679 18611 29953 19273 52776 28236 70539 79234
54664 09994 47828 34550 86217 00995 69733 62552 54736 19620
71822 62868 82645 51071 47597 81848 21269 96396 13799 48614
23289 18248 62438 89521 83337 39413 29107 57037 64823 10217
74753 77466 00202 38600 65980 73720 08618 45267 44642 49229
69599 70822 69006 75906 45716 55941 02392 74607 71012 48103
98003 56379 14436 21925 55945 36416 07555 58305 51212 06804
21888 12696 97727 44518 44865 94354 62665 44044 85089 73876

73230 76000 51753 64568 79013 52465 49241 86530 43805 27395
37020 54499 86023 16719 12213 18374 63030 78276 82654 29564
26165 50311 94054 97836 27341 56903 73094 24487 31041 51360
93274 58346 89516 97135 74872 22002 04625 49866 42910 03479
87174 61023 14499 23816 09783 67387 26671 81008 32305 26491
31324 84388 61389 55525 47710 22918 81944 04603

20561/20294/19548/18081/17473 kHz, 17-09, 1130/1140/1150/1200/1210 UTC

00264 00368 55944 36003 03475 91205 24132 42499 52667 09813
10258 43485 88158 63196 09758 49663 55843 14655 94864 69168
09876 23440 89250 52885 64813 65679 52562 04785 89183 40058
99104 14654 29470 76957 61152 17078 41360 90847 48700 71231
30650 45510 43536 15594 20561 84029 07765 13735 23640 64415
34522 87854 05536 84985 58174 17664 29492 03059 71189 37795
38643 19346 53314 12609 10708 95603 14015 11201 02043 92678
08302 64994 65953 23632 38518 64364 79902 73655 32324 80782
57913 38826 81144 24768 05536 11249 09118 44483 18783 43487
87585 38301 19657 10905 32587 11304 92195 30927 04885 24956
70014 96563 11691 30960 56112 69526 21900 81902 46467 93808
37761 55835 70733 90406 79881 99816 38200 28546 07073 99458
86485 69530 92417 58555 05092 70000 45336 55048 91043 27213
72168 48975 68769 07367 10767 61348 27134 50183 68655 36008
89347 27214 98014 24973 05726 31750 67566 29250 31022 32770
73102 63649 23853 05426 38470 00483 04146 53135 25868 86110
24189 66851 90857 19253 21639 88785 87064 63365 79638 18532
72682 88016 59889 71063 10110 59270 71514 67443 52829 73341
02434 16086 24025 58273 54110 08519 25121 63342 68896 10283
57202 73997 24315 82543 11818 22496 36355 78761 03333 16940
44684 04200 49610 12490 60086 85085 03759 52788 95315 79198
28967 36702 00306 52526 83676 08103 42826 32584 65142 13120
63663 23721 94468 69355 61329 98683 63701 77344 59245 87613
22914 92752 64109 35888 28656 98232 66474 11534 98186 69024
04760 72331 68026 89696 81314 20499 73691 71787 98866 03714
79669 03771 13619 90212 53275 20962 09731 80254 51160 61401
21384 26413 93542 07702 56283 36214 72591 64416 23870 85442
41628 31291 34396 96116 08360 91330 55694 04771 88039 40829
24992 91912 78477 55530 07943 19142 79133 73895 82612 07693
88500 86219 60373 36784 47640 78345 78788 60324 33412 45100
47907 09274 47917 13424 62085 48378 69373 17501 81852 61943
65267 04960 92214 10331 36408 29470 47935 38012 99757 37140
57079 98695 81803 16176 96940 55408 70917 97611 48476 30013
12542 95369 71357 42938 92920 15718 43995 65053 93443 59564
49767 61632 92041 20668 42425 83540 94003 50041 00376 18169
30410 40775 60565 96271 88020 49211 27469 31741 16482 06677
77459 71761 69023 51839 49401 69896 33601 49275 17409 20689
13012

20294/19548/17473/16341 kHz, 18-09, 1140/1150/1210/1220 UTC

00972 00266 00211 69108 51743 17220 13605 19037 67956 74055
76755 45011 01633 04075 52059 57900 71744 16300 55825 60250
10354 94548 67789 83779 93803 97620 09279 82937 24540 20885
04771 32187 90854 82853 23372 70247 73414 51523 36703 05765
38007 97796 87781 76240 61898 28045 84803 58751 65377 78125
25890 16420 21888 21739 56094 77027 48648 16431 75304 54121
07940 30667 94495 47070 69283 44568 54156 18778 80702 81811
84485 20220 79595 50060 22243 12556 06766 91547 21880 65757
12817 50527 17559 46413 94994 88349 10298 69115 26758 46343
21598 56982 76218 82580 97823 07340 03300 40710 06956 17330
73888 66024 78047 83564 93639 05670 36824 71827 99494 43538
70260 57099 94549 09546 41304 57412 13107 48081 52075 80933
34269 85040 92018 34358 60213 27502 44001 97014 52235 14902
09256 66055 84591 04549 91868 46791 72478 33994 52773 89324
51525 38469 69619 83219 76082 64498 62432 66672 41276 40411

94231 55218 88634 26021 83060 88846 74005 43689 23351 66137
61667 39808 19592 84591 34282 04205 72506 90000 17676 94511
84933 79112 95307 62750 29407 95799 15421 08798 58275 95713
65068 77328 55737 11824 20670 54036 77420 58569 21488 03021
72785 28789 10642 86634 27656 11716 18877 85026 48937 71876
91990 72431 48995 46763 55477 15118 59909 25883 96613 87259
73425 65206 85412 27636 01068 84338 84070 07767 63921 80244
26784 13936 68511 14654 21725 56143 68470 08673 35094 17691
76921 30394 59859 86397 03723 92636 28332 08973 56346 05551
94126 51536 61955 34227 29594 07579 43375 83004 85565 43316
27645 11109 21104 68692 45092 78053 03919 34341 25038 99332
46647 51235 90787 78922 10338 43031 05346 99013 07235

**20561/20294/19548/18081/17473/16341 kHz, 19-09, 1130/1140/1150/1200/1210/1220 UTC
(1220z TX failed during callup)**

00743 00321 58977 53803 07405 72242 53140 29991 39421 00965
89581 25082 00857 96786 31314 93278 36764 96580 48428 63308
62796 25050 36827 02217 16229 59200 37463 00759 41376 76959
63888 14820 92223 30239 78872 37728 78138 73230 10733 08560
31661 49924 51766 41071 11024 65658 22721 19203 87648 01530
04616 40731 00590 78735 63284 98912 34888 56759 37574 48204
34778 52380 88613 62460 39075 74761 32858 70617 17913 93584
15140 63533 85846 39868 31677 12871 73283 95754 91192 50570
36478 18259 13110 39846 72343 23156 14229 13487 66953 79958
02840 21378 35655 62527 73780 79279 61310 89304 01996 36261
32799 52102 01289 94062 8638x 41181 54884 60720 47058 50412
25629 39132 65566 87003 11726 16519 39269 48767 90116 15918
60532 19371 03664 37954 90744 93761 27877 23319 66087 52396
51560 83977 93778 54930 17770 84374 16969 19047 53455 37262
68271 53508 66427 16540 54328 63707 55810 48651 50801 57260
40010 12542 99187 86077 75728 13428 48438 63334 03318 92626
13204 31564 94631 94661 98851 41651 45373 10635 69232 27350
99548 20221 95310 58853 47645 07023 52942 87122 83624 27036
37950 79225 72516 08827 12385 39018 84788 07680 79200 04342
35936 53634 15729 60827 18058 36707 58875 71766 17688 12677
18334 45174 79418 23450 57710 19788 17231 40333 38431 68704
60485 61314 79709 76280 54676 33978 59046 85804 82275 59833
56861 37692 31434 64889 91413 45914 04492 34482 40795 10938
08147 81175 69434 70946 08702 92774 99805 49066 51115 92596
21786 44454 69248 10495 43856 74620 73923 39447 06151 84078
77659 73070 89x88 57854 55815 80641 13740 14528 32035 11796
15295 82747 99537 27493 20557 79308 91879 08762 67578 61900
34171 09980 34689 89678 38046 12407 68442 20938 21033 16793
71989 65043 28331 56714 33278 75076 91686 11580 15131 28059
79034 85276 17030 39319 77300 39038 44916 41754 89937 64547
82740 65161 71868 44249 49907 67678 38381 99809 19808 43407
12198 92801 934x4 15242 39805 50251 54416 42821 94214 45480
87621 80298 93629 11045

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00864 00435 72437 55277 54348 93737 62990 93181 07291 01554
13021 93497 59840 03435 57162 29803 85988 98093 67348 03007
44051 87974 56370 25516 20383 59689 64025 38598 10858 79158
15954 15277 95083 25485 67893 55875 49477 80378 02014 72333
18226 54893 15483 45451 44049 18344 30731 83698 83438 64787
45099 44621 64600 75022 68174 52263 28741 46920 34893 94657
29711 24392 82323 28131 85598 97742 98412 34355 35541 01286
80324 05609 96078 95013 84780 89156 72490 10919 81465 02039
28958 80326 55158 46069 34059 71332 50676 20061 57309 15629
27134 02557 45484 07356 42621 93833 72569 87351 59852 46306
19930 96375 48156 82151 84462 39489 48541 69585 90240 79016
79771 17822 65454 32854 65699 49384 69232 36253 94070 14265
47066 78351 77044 19911 74151 77767 60123 88722 52392 90946

16587 85138 51065 35159 82107 32581 32169 73005 61605 94569
22791 81089 29819 78292 35857 09311 37101 12630 41655 93236
24600 36315 93279 45586 99238 41577 19330 28245 08000 06695
79364 59817 17193 99293 62429 94631 66755 30294 50745 33111
17215 96226 74646 99500 91473 65975 48532 98751 84052 64839
40665 47492 47066 59154 66346 80270 91857 05479 35920 40530
13251 03924 65005 54910 15204 62972 63896 30525 15863 41225
42555 06807 61884 08538 76021 28372 61668 93778 54112 33262
93044 20578 44191 43159 66029 31871 12751 58037 32947 82158
02774 61276 94373 10215 19866 13290 31221 19736 84295 28500
02079 18006 82887 42827 22284 33857 85607 38528 83132 37973
18602 98077 51366 02657 47484 92671 59732 21846 88880 83331
50221 05858 97577 33704 38451 81278 12433 51669 88671 62730
97150 41931 09483 25611 31183 75038 37689 01363 20874 32171
46263 74221 74904 94972 63555 04695 09910 91715 62729 27193
53557 09375 30855 00964 78278 96219 20428 49183 04376 41005
21424 33938 49856 20402 40821 76669 88594 25754 71473 72445
54982 58368 00971 56708 37068 75998 30953 02604 70147 33755
71368 20716 88938 61478 09172 87775 11075 08518 47331 34962
54609 88504 96985 79868 10746 12325 24365 54502 54150 86885
16099 84154 20242 90283 72209 95187 08403 74146 63895 02279
65265 17823 79035 70619 69635 00707 44998 88377 11229 53045
65593 80075 78422 36510 17835 66476 61382 21101 45961 24742
51633 76450 48453 83261 17656 87212 00474 98654 89267 13984
79371 36928 44622 45051 69695 36786 09469 26365 10232 10038
67325 35986 43272 01104 21291 36022 05732 83730 72447 05733
33805 87301 28184 39152 50645 88814 69369 95773 52963 82421
00233 46343 99109 97243 73673 28665 35452 33370 66813 81047
57007 35016 10868 35922 57415 15646 33177 47348 61969 81632
81480 16742 26206 83534 80177 92069 08744 05470 94405 80880
67416 13695 73401 27810 09805 20982 36876 13402

20294/19548 kHz, 21-09, 1140/1150 UTC

00494 00394 23373 24845 90877 86887 51315 22447 34602 38681
28864 39383 61689 53532 14727 82540 52299 09260 44021 95661
28191 44147 44491 43655 22781 75107 35103 28325 08486 06743
32873 92916 12358 56789 51592 10442 01713 40010 18098 06274
69055 11495 25337 71992 45184 54724 26829 82788 25232 83491
11477 91346 60134 21915 34581 77849 00257 79716 02063 15769
51784 22990 13961 27859 05807 35946 27025 04900 01939 04284
80826 12289 91160 37747 26605 16695 18810 72497 98470 68055
48277 52314 03092 24993 95265 41526 32782 90442 22207 73742
10184 21995 37946 02328 54489 46064 97532 97476 66185 09237
27699 21929 80848 20947 02664 99186 00185 22387 95308 17885
59039 27758 81245 34007 67491 99469 19897 88967 32593 64280
03164 36581 82691 28195 94099 58831 74341 88832 83257 80539
19162 21332 06312 89232 40355 26348 71464 82144 22328 96077
41340 10395 95133 04321 14703 82424 40748 03938 34836 55018
26167 08565 64883 01904 06073 91117 39237 52652 26847 43832
24844 11352 39129 14768 98722 37706 21445 92012 93650 41143
28005 37752 66638 36514 22940 92767 41446 78369 13492 11674
18082 70402 53995 28238 54372 10596 56448 04408 83158 49237
87109 18811 55297 78495 71232 29987 71265 80365 05598 76995
60979 48735 10287 93692 27013 88414 41925 28368 78963 13305
49670 60867 39159 15172 25749 54440 57355 10890 60394 88125
81256 17037 08853 44413 54032 09193 82453 88142 65281 92951
21501 61080 72770 36495 50694 69345 60115 60302 01224 65957
68669 28080 25443 69853 99565 26242 79650 40124 52745 16791
72631 60374 19970 17471 95738 43941 39882 65872 39659 17820
05960 53782 63085 86011 91802 88589 88095 02664 64477 56403
94324 97052 09666 94436 19455 53176 91593 38999 44847 27790
29542 42328 35397 48489 20320 61126 41109 55299 40756 06752
29463 94242 20642 83403 59996 14887 64993 39430 78049 10976

38145 76986 75645 96341 22466 75578 50708 25533 98014 42561
52346 00883 21025 11869 88276 63630 18385 14596 65691 30676
47479 32795 61906 57725 26939 00081 76409 26261 34439 04568
88181 52162 60948 33871 89643 52554 66682 39054 26022 44741
10417 15576 57283 98193 54404 28580 73217 08773 95125 96365
96501 50396 73738 47373 63495 05350 15080 17920 69401 22385
99167 24446 91093 93446 54379 00184 39933 87152 22225 35722
96947 79329 88572 20950 20258 31903 75511 63711 03320 98357
26863 67635 31135 38072 08066 37785 78422 13574 70374 84293
37474 48761 69652 03637 45572 85969 61713

20561/20294/19548/18081/17473/16341 UTC, 22-09, 1130/1140/1150/1200/1210/1220 UTC

00728 00420 90307 14806 40266 78772 37387 15464 72434 53008
99753 40704 63116 40933 96399 51583 81620 87886 12411 44526
14708 74306 23076 56939 73030 34564 97863 83214 76954 55194
70293 53007 48003 93143 70530 63264 36174 31047 68155 75516
73254 60860 16920 82318 37946 92085 88471 74380 82157 68858
79453 63356 38491 12110 51700 30129 46938 33368 41774 05702
80908 54172 38509 17240 82714 46745 92700 69972 70402 33134
15408 50572 19730 36893 71271 53846 57386 40756 18992 80943
46092 23483 01057 08095 75739 06936 14516 35892 41442 40400
16325 02806 89271 62453 94607 19081 22350 99679 99603 91200
99384 18498 03977 49022 53449 28880 43625 01597 40837 97852
72742 06182 14376 60829 59609 57425 53114 30413 41499 75777
32229 56807 28529 30002 16808 12601 61300 57276 42285 52189
31496 57706 41152 27790 81558 27593 19505 52033 54644 46858
63309 12918 95053 43589 67657 10143 88429 28441 02844 37182
65965 91936 58179 23825 58971 42576 89968 73974 32213 40848
67579 86348 59310 88646 66356 15035 65028 86584 79270 32016
37919 01080 75767 94640 12468 19310 61752 84939 62344 06665
24170 32859 54431 05103 86223 39558 99526 17327 68818 38981
37623 45530 19820 13796 79278 76960 53607 06407 77231 52621
45113 01845 49169 70827 99261 64885 16168 63538 11357 39661
80822 05029 11629 25548 16677 34720 31916 54207 02423 26798
15508 47701 17765 40288 94391 92387 81259 61970 15362 35507
65701 55345 07707 09722 61550 22325 83688 83603 05840 21337
23389 35988 05969 29157 58158 32593 33900 94271 97118 44557
45043 99398 03983 50433 37113 97411 84079 08881 76434 06874
83624 54196 48175 75849 73958 25476 97320 01907 63996 94351
51031 48311 48366 81084 03408 79519 41731 88606 82129 61798
58486 86987 64851 70803 90462 66302 51362 57273 72608 64138
38244 74806 07169 98965 37712 69191 87811 30119 55198 32681
35271 31993 30274 02766 93525 96730 51032 22897 47024 57593
55679 95471 26750 14636 48386 96636 89344 77371 85385 07656
74113 40047 29298 99857 56106 76223 41142 49399 43372 34215
91707 11611 33408 49448 26526 26493 56712 62085 77276 93731
15269 28464 10248 15015 08458 42772 48056 92531 50579 41074
79846 10439 44733 47542 58566 95223 02695 30415 46659 17302
55587 01632 79524 12808 65885 44067 62062 77300 88108 21892
39924 27259 00094 91653 92385 45649 29798 14282 91398 13333
28166 48609 98819 02297 54367 81267 66877 85865 90881 31302
23798 26296 15425 59974 38143 13637 48939 97439 49128 64330
80709 70754 04423 28686 01150 52587 10345 53078 55155 12917
65424 88411 39016 33325 89033 06978 02812 77226 58439 84616
77188 76195 52065

20579/19604/19181/18023/17427/16347 kHz, 1300/1310/1320/1330/1340/1350 UTC
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20579/19604/19181/16347 kHz, 11-09, 1300/1310/1320/1350 UTC

00268 00364 12778 26640 71089 43799 38064 67454 72227 97793
09229 74830 84628 7226 15381 0448 27559 38781 51182 26265
10977 07719 81935 87721 10802 85033 83785 11688 65121 19163
55582 97046 48256 59607 78540 43495 78253 59385 82794 06969

87546 42740 97063 90416 95167 65490 12666 38180 94421 80336
22306 68696 96345 43443 87641 08187 36643 25450 11337 86054
60013 26375 00332 52864 42211 12162 26574 5001 78755 71885
12194 68677 55986 44612 8811 2235 10654 91517 92158 45511
72411 45504 17265 84783 89855 86884 00701 04813 71964 70352
06851 55803 44047 6738 46955 61177 40407 44199 48204 83005
38715 87599 59423 22536 66842 61131 12700 51732 04721 11401
97531 45124 33291 98755 13643 14408 09100 17547 63007 55325
11461 21761 53355 08402 65033 59390 24125 59246 97666 545
31827 66454 43313 09153 00795 84810 86180 94728 16664 28724
64115 48967 00087 56558 72819 61726 19511 74221 83095 32546
52061 22860 81191 92877 71544 16754 34544 51020 57502 08751
37005 53462 54074 27178 83577 31077 01811 24138 63029 28832
28227 14380 00906 34287 81149 66442 21673 96445 35582 03307
39878 49903 76150 65110 25484 08967 85261 0034 37608 89840
50266 35159 37335 07890 99777 0712 94891 72908 72280 41742
59914 99572 11192 4263 4317 37681 21954 46908 11727 9050
5277 38047 15438 54195 68877 87101 77310 88963 01193 76660
45815 51375 86528 73117 78564 93067 77155 93014 42565 66436
67600 48774 23311 38388 43399 44505 33710 21887 60791 87802
7012 38853 38706 28557 94559 12218 19720 83003 390177 0611
44401 05927 71214 98369 95926 08539 08844 38003 75697 11250
60526 28938 04343 51289 41449 6515 14532 21598 10803 22333
48391 55423 28172 13890 87599 07466 2668 57970 78627 66346
73346 94122 53997 37949 17035 61672 77548 22145 97911 34852
35666 00706 46189 49540 27275 58073 34009 87415 87100 48043
97685 98120 72125 14651 56223 87977 77754457623 10777 88466
99869 50872 9375 09350 37900 66403 74440 66399 34255 79775
68995 89385 23686 75990 88704 47664 92222 78631 86614 29523
77451 25252 70862 30583 68659 75214 22897 39345 81725 29957
83917 20225 14372 09447 38882 88787 41110 6688 11637 60871
83132 67616 53111 07331 79077 08299 74434 96277 5946 08838
78743 99121 70707 81248 15013 0617 16740

19604/19181/17429/16347 kHz, 12-09, 1310/1320/1340/1350 UTC

00775 00425 33133 75171 48376 96787 48159 66111 46091 95757
26451 27970 06385 42136 21245 61653 26478 43028 66335 60817
90089 02405 36169 30863 56554 52635 48210 37639 45413 44049
90594 71315 73614 15170 12707 04148 40623 02647 79607 83554
46527 62222 58012 48703 05372 14314 71428 13647 73943 54217
00592 05994 22402 19310 16084 69952 38944 02270 18617 95739
48576 10519 20697 02042 05163 55134 54354 91214 29428 17096
21030 23831 63419 82780 14290 27867 44392 87464 25490 42240
81206 34563 63695 91195 43456 84599 48912 54304 99085 42754
65203 38352 84028 83867 34977 36007 41524 55970 43540 50237
59958 80212 84217 56846 33186 76759 42573 39620 05020 88216
25560 51478 76778 76376 14532 14013 46823 29501 58584 20562
06221 00050 92128 86673 51891 82676 39802 79551 47803 78281
86341 88421 43924 75251 82280 00993 50345 06848 58008 66695
42025 09292 49284 10869 17193 13725 61573 07652 69334 20964
89182 12022 97384 22977 44015 59907 88083 97542 04954 50509
36957 63021 91816 26737 01874 37138 07554 01527 94094 13538
63667 39975 71491 91887 78535 96928 50765 81258 69480 38166
21103 32149 10216 26839 89097 74318 91035 20946 31236 22372
12908 52801 01893 07499 29738 79003 17474 22546 08994 80053
06170 60046 13556 55795 57296 49207 40530 05497 44441 47086
09142 06824 28062 66787 29405 04808 52804 64976 37639 27554
46102 86607 70289 71721 00629 10865 38082 63991 62149 99531
79453 28219 72264 89425 31995 61056 18592 54420 69542 39889
33788 85537 76503 84149 13230 06083 24738 35104 78093 24929
26199 52496 84905 81439 33951 19562 89755 41833 55165 46430
11125 76537 43347 44908 67631 80921 34559 38636 34791 68347
86214 98383 95433 97748 93765 60563 10103 86139 58491 94544

86126 02977 85897 37219 73332 26956 43312 90823 55473 12432
71300 76758 99253 23112 28764 57249 42190 31595 16517 32307
71523 86101 00313 09745 38714 27815 57062 87156 87673 73387
09459 03616 83341 60619 60302 08147 90638 06127 71575 40674
36609 33735 83161 22358 97046 09456 99128 72211 68883 36515
18372 78507 69611 26183 23011 23025 02664 66152 88504 45517
68893 56155 03150 82085 02973 66684 93415 38633 62808 20617
66600 36063 60018 75841 94687 27788 02939 77953 12697 29258
28685 84739 18172 51158 55014 30951 33993 57157 37588 60277
04483 14486 06622 26058 70780 81452 40584 00066 19385 29362
16039 60495 09513 48366 69904 82308 18488 93778 31485 95222
97084 24700 63455 69246 16831 85152 37882 51991 27070 72020
33690 36258 00035 02530 15134 52124 28440 22959 05061 12244
87202 01863 58567 83334 13118 68189 75226 68805 81253 72704
12462 40114 25671 42364 63192 80772 50029 70031

19604/17427 kHz, 13-09, 1310/1340 UTC

00189 00360 31268 01570 78548 01581 90698 93188 62816 16677
54098 57625 82663 90777 07672 76126 11951 08449 38814 57593
03674 28846 11572 82868 06967 43854 27820 87011 94919 29126
88291 79484 55258 68918 89913 16093 55076 73636 07286 18754
86086 00725 93570 79412 23889 74912 51711 33409 50912 58222
79744 58437 41680 77054 25236 09785 98636 48399 94601 34694
73760 03686 98267 33690 28385 74613 02367 13744 00864 91577
21049 38303 01162 20059 71505 02948 35275 32058 58978 32053
92141 94409 36099 36697 49381 28853 37803 78203 43681 80127
17456 06677 79034 72590 44993 82400 02456 59879 51027 49274
72545 37966 32544 59333 37173 41430 57274 21620 05548 22287
74509 66477 89419 62548 42552 79349 67585 61570 84308 98530
36809 24163 70062 20735 74121 14371 59278 28570 75065 89103
00492 75395 81130 09703 59507 54174 61865 76765 99522 07950
72578 16182 72654 21393 05618 50977 17257 16485 30038 65642
14815 40885 75569 52496 12465 48382 67903 11809 85210 22801
82150 28703 46554 16443 21795 99112 85346 79715 03040 88377
17484 90819 62046 76358 25951 20626 51507 48668 15116 23143
97113 42792 98531 09422 74288 59605 99824 28633 97237 11125
86269 50055 91553 76721 25799 43875 69627 56210 99596 06504
65630 37540 13445 41660 48158 23994 78837 99210 26544 91837
96873 19235 96691 62067 25686 39357 30171 37132 42154 62188
99287 56712 82476 91914 02107 67427 99264 85324 50559 82075
50998 95296 49070 08612 57512 59573 29347 56870 61262 50293
80767 00613 02089 05399 14250 67034 53363 29486 51034 86440
13704 32495 14056 37407 07216 08917 55062 21529 39553 80730
24728 93511 48651 44468 40839 01577 70163 88079 04554 66112
10010 73299 75868 91859 81420 98673 54623 77076 77664 35071
14063 69778 34290 64117 68371 18503 81240 11662 01396 48595
04510 07818 17317 80531 25564 87255 51961 57619 64559 12673
96870 65283 24932 84920 76429 40403 56625 22195 55986 08541
54292 77984 43864 04481 66666 54949 59220 84532 76095 22335
20335 58500 86682 55957 61602 02191 55981 95336 66294 94163
46712 97002 12517 64990 38200 48779 44846 49368 87687 27967
61876 59044 55675 92853 94301 26524 63953 12836 13864 70614
28034 67427 81523 42223 92336 38369 78599 68973 23318 74237
84420 61288 23540

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19181/17427 kHz, 15-09, 1320/1340 UTC

00547 00309 80803 67780 87573 36806 86190 30883 46850 01872
28006 03626 33088 33288 81883 03068 01088 50997 70881 63086
02860 88810 82936 23602 48332 52818 83703 53883 23563 38652
05700 73323 08563 57648 84182 33385 68337 33036 38553 66836
05061 27885 78020 06860 52285 81005 58653 03833 35611 34444

66888 30006 00303 55017 88840 08080 86575 68100 08338 34746
53082 32305 17410 07288 86270 55581 96053 85427 38016 49597
33708 58038 00443 03036 57825 75063 00680 65065 70326 56115
84073 68768 08262 78073 70732 73582 62000 63543 67608 66080
36808 00036 23588 03808 03653 72865 00365 60820 30599 96703
95860 73315 63816 86613 00780 08860 18662 06176 86000 03865
06300 20509 86863 63110 30660 83322 34042 38336 35556 12677
83368 32608 07808 61824 02777 24572 34459 06634 90281 85058
64599 38868 34466 74622 60262 20748 83830 02237 67292 51882
44928 54834 66441 52633 68789 25310 13272 60367 64135 29329
38822 71138 36263 07821 03233 63352 55506 03002 83236 86207
85399 23029 16994 12042 50375 68530 87032 22251 02858 19923
88580 20803 72033 83673 66637 38635 66067 65083 82033 66366
00188 63080 31386 66840 36135 93360 02603 06544 70388 96908
65240 81739 18990 81083 66481 21888 36838 53388 02256 00258
38266 90009 57408 44212 39748 17017 99083 52590 50172 63597
97184 90320 20067 15780 74908 11307 80530 56041 65805 56914
65927 70498 50862 06048 54681 07841 02814 90958 17191 45848
00795 11768 62927 90775 39199 20279 16683 98284 21203 29217
94365 50012 66370 06790 99723 74919 60671 03210 06175 55174
41367 81796 88591 45342 35330 67767 40156 51359 89529 31906
14203 08135 35399 04324 63802 85415 27393 30290 76579 54628
94623 82245 34838 36587 62538 05915 04127 44071 06323 78761
47168 99602 84783 62016 04480 18887 23176 07583 55335 60330
80120 65323 08653 78184 05003 86230 03613 62035 42887 14308
47526 30380 26630 51545 60550 59121 46858 52003 82783 19415
63639 96083 45035 09768 84736 14599 23350 73382 99843 44804
62239 09808 74844 05147 74505 29299 73491 45542 21563 66317
01301 42080 01084 92004 32235 16788 72972 33237 01466 45358
72038 71171 34790 36030 07791 84037 20287 98984 04558 00414
62879 41229 62201 98181 52067 37717 55534 21482 77039 31250
85628 01415 30430 06476 18113 21558 94999 53019 77532 67948
41626 90111 71916 54485 72765 91066 75016 38814 97355 90467
09012 74505 40983 21158 13437 60071 79878 02901 39947 94516
61252 51490 56197 70214 59728 70622 40741 28314 17917 86232
89036 67266 21452 36608 58787 72767 69312 07715 25416 60999
62700 16620 24026 86570 22237 11123 60430 09271 93037 58041
41678 34066

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00253 00351 44022 93908 06274 64011 63296 64717 02358 39269
73283 41545 99815 62395 13319 27906 81355 47313 22557 27908
75905 04097 37805 47466 58316 54614 57520 81906 97336 80136
18931 49901 50008 89056 85375 77257 17932 64335 13902 42298
60457 59732 73615 31201 75794 29298 63344 59772 08628 95192
41757 08110 08716 06083 22592 14559 63297 96554 35592 51659
06491 81389 67379 22220 20337 23381 91535 10759 77019 36061
09974 17020 33411 80257 67449 16173 30481 06604 71671 29017
91268 97747 73277 02144 38379 10820 41185 43925 66463 70816
13960 21376 28742 62241 35807 79067 92352 51395 10863 52413
37761 52584 82751 72566 85218 24737 74698 28457 38632 06419
84076 56692 24883 06574 60389 08742 08112 65235 83840 09517
82195 47610 44295 06203 22100 88596 88276 71168 44450 88381
23819 79085 95740 19258 91254 38684 14995 00710 16924 13641
36121 12727 05292 60043 86738 57266 96492 22168 01852 27064
70955 27116 67554 01346 70217 90150 08289 76548 50466 96620
36460 03529 84006 50250 82598 04991 60951 05625 15318 21705
93745 07401 48310 70198 73394 69467 42317 84250 19463 64832
92103 66108 69316 17385 17426 96702 11531 94394 49039 01104
30394 38445 50243 20302 77180 32592 28719 55041 77444 81746
96314 90867 06849 80145 33317 63553 78805 97354 27950 00749
47833 24038 57084 85632 04517 70351 34212 66621 32824 85895
93459 66555 56584 14214 91309 55300 57157 28007 93016 40802

40748 87275 06806 37716 68516 01236 59258 89169 84066 53871
17896 14175 66443 48290 53269 06356 81359 64609 15785 06829
98378 62097 22217 91547 88285 29758 34282 92633 88834 78016
06396 50797 04337 87146 59999 60557 17231 19368 17115 03281
11092 45041 82553 78951 67998 79284 00112 08293 60943 84953
73939 92546 12222 86187 42422 78650 65058 15258 49430 38758
66952 66624 00334 06050 47475 67098 09837 79296 88289 92711
89123 61991 47494 12504 95735 53337 79542 43264 23548 09000
29646 25989 31689 03881 04077 13848 38575 18149 44724 81348
95497 01973 69936 78356 36327 44466 44707 76503 31475 00899
69447 20814 20002 68231 95828 11947 45052 99716 90450 89084
99106 21793 91708 40429 09111 40962 34934 96452 01973 33627
28523 91687 34572 52104

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00504 00431 91094 79012 21712 31003 28902 52688 18154 19350
75911 73352 01891 20554 24191 37007 12079 34411 59997 15122
21500 28898 36656 51254 85567 41664 04192 92303 12909 28828
39985 62350 68469 82746 72307 19291 12146 44635 22490 88519
31629 66773 21583 07130 88180 51327 66880 89273 61072 65441
19904 81216 66811 97416 26527 71187 44767 39840 93444 80046
26811 36598 39778 89325 79363 13560 04883 19143 18246 04899
24861 67442 11921 71476 83492 54726 07315 29525 63073 34239
74783 14917 31231 47467 08924 58768 95537 71052 56219 01119
74522 72304 51189 42442 61708 95030 26994 32256 27765 74619
46443 47737 41026 56172 40579 52460 69294 95333 13924 71799
63871 15242 76766 59204 05262 11893 05366 92309 80401 20595
18021 33830 62922 47127 30376 52555 16252 69477 09768 88460
27731 75057 01760 88452 87795 27046 73890 75058 06887 56462
89472 00204 57127 84418 37246 59280 95537 91984 37180 49814
89664 34683 51854 07169 56597 12613 84813 93898 25795 88022
36208 99815 85564 25462 44068 88813 13481 88312 71408 78215
38002 30306 85422 23939 31122 17817 76701 78503 09880 71095
57017 24267 32297 59953 98794 93046 23203 94589 31855 75181
42232 79990 49262 18863 20254 89655 14639 31665 40349 48432
45798 07225 20575 58963 11812 59357 49260 27914 76046 38780
35911 06309 84018 54699 31005 11940 67518 25611 26666 51021
65609 18890 56456 96226 35983 58010 81042 66558 03685 41465
03177 45036 38153 61446 25296 49792 03692 73333 48140 39437
43785 95287 18543 93074 39269 35922 95971 94562 87857 08313
22137 89027 04998 89327 82821 26907 50767 24348 22980 53801
78313 82701 24229 34580 35602 90874 68155 22571 29403 81212
08248 94184 77469 87228 07235 70321 00347 63381 56956 00060
62038 86479 78699 95370 19327 14149 40038 48824 78623 98387
99023 79343 50352 94338 61122 61083 71057 83961 57472 48394
67766 73399 65158 06645 00065 27952 11557 17768 82092 12500
26560 87385 67390 22919 91762 91833 04001 28858 15253 21452
50836 19330 43947 31014 82187 28903 43831 83130 26106 46150
99262 16385 05908 88561 32293 88637 21320 72054 95305 91374
02592 22269 66731 66122 71827 11638 11952 27432 02575 69288
57081 42199 68708 36020 97557 38435 29352 34144 24457 71160
84110 28425 91661 35941 13237 10174 80477 58828 90625 03123
70512 31946 33551 23877 18859 28566 52588 77823 59186 70548
16951 16398 80555 56816 89068 57062 47675 69887 11003 83856
59184 87175 47596 24144 07253 74166 30606 30789 52885 61652
30160 53122 36806 99449 88774 25135 08647 44830 17161 68990
95836 51628 74956 53907 44109 67711 47769 34844 46872 56163
62497 00589 47825 06668 33838 83336 43347 09407 16623 44691
87959 11808 24937 52300

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00761 00423 34233 17187 17521 06118 81843 64261 09558 05260
81446 91930 34362 54826 03412 25687 25975 93951 03118 06317
24409 54102 18586 59598 39702 87172 64062 95822 59734 95555
30180 02071 76606 84142 11703 29456 25427 86412 50356 88682
31241 97543 34406 86151 75575 47033 13920 98883 96131 76084
35110 57690 71995 91705 92780 01318 55028 74633 77483 30347
42054 86019 04526 14002 75078 79375 15324 50218 43122 73954
00260 39562 43595 14434 75075 26865 19696 32433 84022 92668
73251 65178 99689 83649 60444 72489 30075 84899 91361 10385
74426 50792 08929 20008 46627 45220 93016 20403 11072 96199
31708 63700 55761 22176 75824 95547 14094 57560 16630 65914
81621 22595 90609 84813 57094 76874 86328 20876 53556 02589
49299 30424 58856 32736 99527 49466 30633 23587 67805 29854
33848 99291 21360 87822 60959 09551 09417 77513 07825 64896
58394 72513 68268 25447 28763 51831 60181 24114 62912 69752
58890 72139 66845 08483 46899 01284 04844 23024 22648 26357
64913 90505 89753 86774 32066 82328 01234 02787 23853 47543
67457 08815 13051 88658 44193 76785 62154 33409 03972 47696
89283 06518 60674 98052 70962 61707 32445 12877 40922 59674
04707 86391 54864 81466 99981 67887 82759 81493 93379 46434
50596 57394 00260 15368 02294 50075 59088 78185 64288 70113
39129 71433 19051 74951 37073 58394 29831 91699 15812 70357
49882 88355 61863 64177 42835 81064 53949 31583 88676 76305
94024 80660 40028 57537 97098 31888 06258 45305 95757 20887
02619 54258 48588 70808 20545 33272 67339 79912 44393 41587
38056 91058 65681 23022 96550 62239 95529 36081 72532 21229
96124 27504 89508 87982 76087 58468 31405 61513 77851 05184
52136 84524 95940 94923 67738 95623 39767 91053 43632 09562
13725 74036 87189 47089 38248 02965 14979 17006 60986 34858
36357 70175 72772 74528 24762 75114 64748 60604 94720 62075
01867 05826 02061 39208 89449 53530 95117 70756 55283 00927
22472 04476 92447 62969 07503 22088 40313 42419 49733 73122
43489 14399 00527 42992 68825 81959 11752 21411 70161 92622
30874 79162 96332 81556 07695 07898 71974 47981 57638 84717
07847 44221 61721 60058 12386 31881 77727 09802 67024 02674
34800 22328 10871 21597 18586 87466 05298 59067 70381 07490
41777 73705 00595 62659 70051 43308 08142 10891 55273 99603
50112 92331 84780 65015 65274 99266 52676 40467 30606 36943
04232 01949 54386 67487 57822 08545 68290 74734 62969 20227
02600 12907 77598 50148 42939 34141 43626 99061 90005 69076
23739 66835 54528 67420 52560 42468 37547 45855 56322 19318
34790 64830 28461 33438 03257 39828 19319 33107 04836 61506
75017 33406 47920 35046 97003 10360

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00556 00384 52450 35591 11040 57759 98332 72732 95076 33165
05525 21318 41587 21210 78208 55527 91596 41441 85897 22655
69408 61382 67489 00110 00987 42789 70821 99308 22436 27024
80471 95653 71607 57397 32557 78774 91160 38456 96101 69247
69193 76472 23905 70936 60361 37160 40388 72723 19714 47898
22851 24031 01599 60304 00152 49998 66875 52339 34603 68250
86937 99023 50296 68052 52692 09870 49709 84189 88651 99432
64365 53140 45338 16649 53461 92935 37476 96551 39747 63825
02400 98096 79593 74537 04173 56439 94053 11303 57244 82558
11898 38820 03852 27851 82309 70169 26175 55852 18243 50491
87450 56198 84070 20281 83531 69709 78691 84949 06842 07215
12521 70323 12592 70777 65850 88839 19429 75758 63879 96252
15815 38405 26944 06092 87533 25545 49288 17487 34338 83291
66759 81623 78308 89255 76374 46200 14026 59312 91004 34462
77746 09104 04460 50029 70037 41574 26228 33074 61999 93469
50739 50416 91972 21990 34675 49044 29254 77977 32746 57986
20421 61204 50610 23550 40454 30896 92014 23336 94401 19649

74813 60116 84752 29416 18505 06711 33945 76914 36054 45959
99316 16214 55486 40868 32552 16343 89650 56317 54580 27329
16946 36047 26566 33018 14041 16542 58492 80909 09574 39140
49559 02891 38671 42350 18656 90622 65662 62555 03485 27963
15099 52339 41923 86785 58668 04207 05718 09742 90997 24111
41245 35696 68755 67072 02702 38765 33550 51734 15375 01963
48218 53035 67340 96913 96398 96424 77541 13135 22212 41928
50679 27095 52832 26616 12230 64606 94122 39779 74348 09833
10823 48750 89911 85461 97894 13862 34135 71597 39647 79889
57072 13928 47180 01522 79744 62063 84997 45009 90386 62243
26664 92581 87529 49068 73431 14149 82863 42138 54842 38095
44642 93770 77384 05541 91138 99466 63123 81877 99017 82536
62288 05943 73487 42321 84855 36751 79914 51310 46871 50165
79607 49113 49392 12105 83168 18241 61220 40842 12030 83744
30998 91996 16755 01552 35247 63300 36542 41638 10382 80276
98938 03120 45990 07849 99953 20720 19094 45207 64211 36679
34234 31553 95266 04676 58486 95527 44378 65278 22371 72897
38246 22280 69846 15272 51537 70291 89187 71935 07074 21554
00208 38275 40927 66593 51225 76487 03122 41542 12150 62448
99145 16013 76630 75349 49510 99444 96728 12079 43064 39718
18922 71262 19266 37484 42029 76658 33272 30718 56311 29662
31532 47158 38132 42656 36471 95958 56310

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00407 00321 67530 00087 80778 63758 70127 03384 35834 73300
71300 62466 85606 64230 37520 20070 88828 46254 03226 74226
36048 30210 87367 61355 60008 55606 75811 81332 11058 18440
82351 56684 24583 28100 73263 30888 53838 26277 06848 00433
36449 81302 82348 81813 08828 56617 55817 00856 87337 27578
26188 75242 86883 65365 55548 64200 73211 06265 38877 24162
77845 77673 72224 15473 81046 23615 37761 66303 80866 86520
66133 52541 30216 82701 46676 45545 47861 05441 51436 02380
08888 64855 82223 83480 82241 06008 60788 48117 68140 08872
56665 56653 75288 81663 23575 48853 08067 65754 88666 75000
18744 88300 18889 00806 61336 53445 45836 03081 27588 13303
26228 66669 55638 36586 14273 12880 85678 88743 22118 75838
52813 88543 86241 71883 30844 00477 66362 57430 68116 88911
35566 61005 06773 54323 72444 10466 44855 81186 21033 28606
60166 56608 18628 44647 81532 78804 00824 47680 66480 00583
42183 10111 42535 13828 22186 20180 81156 37884 58748 40858
76180 76383 34763 28665 66823 44111 60873 80213 44044 84703
57024 03480 56707 83411 25666 05106 66625 32403 00340 51048
08443 26660 81049 57611 45638 16355 18470 82855 31126 42343
28218 16869 22347 80075 32525 62665 11834 88860 66810 25310
07819 00608 93530 71675 42567 48701 53303 59003 88060 16990
60163 48543 36533 87788 31303 58509 84333 66250 83926 61459
35651 78028 48077 02685 66485 30055 70022 65711 50995 42880
83371 88863 55581 63929 43129 88933 34030 10363 06044 86036
52860 60356 04894 25236 91189 77664 79224 34448 39681 83014
77330 45582 06035 14461 90667 28890 62510 90944 05111 00512
78567 76680 08008 35069 22618 88899 83070 63713 33668 32459
24479 64880 70186 77888 08499 64384 72134 22850 00504 77810
61630 35584 36031 67879 65558 37788 63027 50009 82261 23239
35311 33084 15163 94431 16469 55279 41137 68824 82616 11080
84583 15600 90778 86110 56435 02450 64375 18145 06861 14261
56644 38666 80330 16378 48788 31871 41538 30137 58509 93828
06060 33850 80440 18328 06036 72383 58817 65542 60318 32118
22156 03308 20222 87313 82115 46008 45605 38819 00333 62008
53302 55881 32157 67888 66483 86640 52533 86673 33655 64474
13533 11000 00213 87776 06018 60532 34158 61338 80073 64130
32522 88620 47725 53632 81004 43335 09337 81025 23142 03660
86266 12818 28683 75333 30326 40188 80782 12462 41833 09283
18650 61033 20882 84833 28578 00056 82994 21335 82385 22583

00861 63255 46534 34202 20466 63660 08156 78313 65762 13038
76213 80616 63520 30099 79107 00810 82305 23912 68360 55828
68849 11685 18503 81999 44380 80587 68837 42780 33154 80058
60339 77990 88628 91567 92688 11010 55183 83390 55824 66655
31022 00378 35588 37806 31626

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00741 00421 75426 02923 06858 16770 66293 21156 00729 06247
91916 98256 50951 85660 77930 76338 40515 22925 06917 50650
96048 44145 36416 83683 18584 20090 70242 34348 28677 03725
94393 56604 79041 24767 22571 31577 71403 55240 75456 36159
15271 21777 67642 51301 83106 81647 13733 94263 51764 16101
60017 81102 00420 03128 94916 95001 35183 91742 84337 86767
46526 31945 92478 97003 11852 35311 19214 26184 63089 46352
04934 85273 47467 70756 35378 74271 76501 85114 00577 36936
06357 75978 82583 12575 43706 13290 56183 75912 29850 27568
96393 79660 70901 88688 89631 83325 29297 70638 39448 47794
62432 87548 31173 05412 11167 74742 33635 29662 67749 20644
18500 50068 91165 47401 80409 70547 49360 79902 53296 98561
79126 43301 96332 35521 49957 25273 14372 58777 81124 52051
44973 05862 45665 52782 74503 18808 44804 77170 01408 68962
79654 26521 08163 09205 09067 46324 88493 23500 08278 19084
33964 49394 17342 40885 68666 19130 91214 95651 55453 85892
60370 74856 48537 15697 75670 12637 04402 38383 72897 61601
25742 72189 78493 84332 18907 52605 35137 87126 26453 03633
36778 90871 50498 62039 18087 95578 88519 04780 84114 55372
27592 49152 21717 15515 08592 04797 77982 92465 33534 96429
41921 50110 50601 46676 93340 61774 70899 33008 21978 16060
83992 04088 69197 51820 49113 69498 24357 86496 97608 80090
24116 99621 54267 17525 34008 76589 50472 62978 75740 14109
74622 42671 53591 30023 61710 86667 40269 03822 68698 56311
24679 55511 82800 68054 71378 23504 79954 69895 66400 39092
80439 91484 94855 53442 72312 42299 95842 33076 12668 16751
11302 07920 57266 07868 41436 41321 50495 39173 90109 62445
29229 20535 17798 41296 55411 68604 16820 86211 46145 10504
96634 80575 96577 36648 33669 83136 47814 00149 57710 19410
90824 07192 91153 51947 45009 16758 98244 74932 26616 30057
73008 40780 79785 03955 09863 59993 73686 53558 98030 03708
25478 09630 86929 02163 20115 30725 11342 20618 74197 58299
93505 50346 81462 70698 71619 22036 29381 65850 96286 38653
70359 41887 59594 16087 37494 55853 00790 92621 26785 73765
09449 94255 02117 54002 93931 81194 20262 88989 31831 14283
05416 77625 00734 68317 36551 22662 59317 09086 32334 87825
30522 07836 57271 59377 33348 83589 50035 70841 64668 64261
29935 18719 93832 00432 48849 99249 48228 27460 76765 90424
01774 40391 34018 82002 33236 92732 41152 91275 79535 14832
96535 91702 60286 38958 43242 01613 36984 42739 20654 10341
31159 49419 24320 67569 84347 86695 83792 00302 19467 37301
74432 31857 32319 41909 86051 90130 73816 75267 26140 40614
42437 58758 91305 31421

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00322 00358 81310 21787 87294 75789 35578 95745 91129 12647
18699 62155 20184 51468 76640 54524 00545 84853 75524 01640
40979 91379 80573 70338 31423 27689 98524 65624 24559 82952
89946 33929 07469 70832 93555 01348 21010 32753 38398 48531
83469 69959 66478 13950 97567 67315 67395 13922 17274 51012
72949 94818 01129 97126 00789 72641 28064 10971 90363 59604
77263 69952 71186 08177 22700 84769 54686 49350 57912 75292
33514 67791 46454 26992 18170 71018 24901 66622 72769 64106
60293 84602 48350 73545 10002 95126 32799 10342 70042 20913
73282 10038 42389 78793 71266 13516 98772 58301 91249 12798
12629 18044 56009 41981 17498 05158 48363 74135 78956 29770

47740 61440 38201 26256 99309 92660 21602 97639 98173 27572
51970 44343 79307 36998 02009 23475 25402 67659 55725 04653
72245 66598 75372 59971 51476 42249 28593 06369 56047 04844
46763 58662 31385 40272 73172 11841 71836 16132 79483 78605
91913 01132 60126 63677 60827 68284 38736 19010 39971 94021
79755 80702 18410 74302 57524 81140 86067 78229 74778 57060
64066 15233 41591 93328 80807 93306 12958 39034 63825 90167
51638 09269 88175 77118 12739 71112 06471 11694 99143 83191
03513 09582 66396 62025 25088 66059 40251 57081 82747 92030
25772 93606 41352 22423 14538 76679 59539 66797 82868 67519
55326 99700 55184 49803 42383 70485 92526 41291 61562 86410
74668 74373 79084 91586 53547 54484 48835 79565 68240 14747
53055 55876 56286 71794 64394 58030 67915 65751 62579 36058
11573 39673 28824 31624 27864 03811 54397 16592 19641 54601
73532 98959 95517 96335 17361 51398 14521 49765 68875 60053
27844 79973 98555 68121 14464 99448 43413 83389 85408 84351
02570 26774 78710 25504 74837 34995 45548 47460 63721 49735
00086 32243 59923 13638 41214 54094 60357 59949 54432 12996
43509 18150 96875 02526 08214 31599 41117 60702 17159 28415
60396 71007 31183 35288 52031 46757 20248 70013 21498 82365
05849 67059 86042 19139 59966 95599 20049 84917 26906 60368
39091 83462 28956 72412 40842 84418 29898 76184 17289 43238
93876 84845 30300 35306 89337 29078 01060 24634 61605 94456
33845 90342 38451 72066 07146 76448 32106 77735 42558 12614
11549 56198 33795 56790 89322 76933 42050 58770 94445 67611
72575

19583/19051/18513/17463/16292/15947 kHz, 1500/1510/1520/1530/1540/1550 UTC
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19051/16292 kHz, 11-09, 1510/1540 UTC

00673 00429 59269 78471 23158 76928 17592 47996 55828 73126
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01980 89066 99269 44106 08692 21831 28645 09220 28951 18574
24348 04102 20229 33510 19825 60914 18728 19564 81962 43968
65108 35813 28898 72617 91475 89668 63638 70108 08690 70232
86782 41125 62311 37760 71146 26796 62290 44361 29552 18138
35523 58139 76220 06292 13720 81871 84484 02534 69334 08865
34196 70580 94502 41714 52958 66165 60167 26651 52629 19023
58192 58535 00529 58718 31791 83222 41789 82468 62363 93027
98623 74365 90010 63823 08445 06969 59592 22605 58897 09604
05184 61103 00773 99824 36035 16201 46621 20597 84800 04980
66627 35638 91730 10529 59945 76986 57609 17502 74500 30497
40081 02015 40170 76305 10241 59829 80568 30679 33268 45989
06573 37562 67753 43025 13838 97087 57761 00704 22682 15590
36601 21192 97666 57382 26400 62985 82633 79481 03878 31458
49358 42090 48104 28400 69521 03168 20933 24467 89582 76205
35632 15942 87327 38810 98406 29065 67883 48705 96689 62857
19224 56904 94818 58910 93894 18889 04348 82787 49905 47255
77194 01087 26800 01810 96629 64482 89456 39353 73502 10670
76153 33294 11121 46476 79957 20659 33863 58855 58974 97333
95100 33928 82790 41020 12234 92453 47270 89193 34504 50631
98819 38145 74560 42327 99009 34544 89140 85517 42180 33924
39608 28530 75202 86019 86702 85928 45783 48342 78952 73235
85025 45491 23812 52570 52153 43266 18295 85778 89575 04176
17211 00263 04849 22870 11850 38008 58733 68792 47465 45412
31517 48344 16675 25049 57725 66570 58725 96770 54317 26304
46669 98926 10241 61268 65605 53327 14332 21989 90173 55742
16248 03361 95941 38004 16713 39344 23681 52331 74168 48693
27194 76990 00876 33539 41717 36680 28816 98761 94844 85582
84540 21524 31461 63270 57505 18284 90021 43579 57264 58521
23676 36744 78618 91722 29163 28155 52402 78669 08336 18380
42889 06393 22601 05624 99108 69678 98050 76700 19551 28924

24511 15569 27144 04591 71201 94723 71899 32670 80498 98428
49322 80100 95065 15646 25017 90449 98371 09153 04376 13561
84276 50145 90425 76463 42692 78146 98921 25837 64160 87825
20232 13321 24028 28339 34009 08106 09599 74026 20521 34439
56255 19731 98170 09907 69057 62788 11327 06955 80605 08659
71306 88896 72324 05989 44647 74365 25143 50679 61897 93053
95800 46062 68509 92672 78195 36001 56072 66725 81635 16911
80849 24344 88631 69935 57305 64545 51973 80517 07406 79903
66819 91966 45230 55501 16518 31334 40996 18038 83691 59643
82961 58919 12129 27466 38637 10192 51221 05498 31711 33056
06715 27532

15947 kHz, 12-09, 1550 UTC

00650 00411 49354 29215 55188 00959 08029 00973 66278 70605
06511 40594 91381 12372 72533 88257 82444 27212 69364 44079
68118 84982 21030 08316 00098 26925 24663 99301 09595 85566
02433 71477 42915 57320 94901 00342 19548 30769 34927 34464
32673 30467 50743 88559 67369 52414 91714 17642 77416 32426
38822 98843 70358 10431 44979 36466 40169 44037 29117 28263
86294 12726 01377 80710 98168 75032 97678 34060 17469 72190
68709 51675 92284 08400 00405 37651 34239 32476 40946 47682
35209 07021 17885 77068 47144 73591 01119 32483 12341 58431
60172 78510 00651 06664 63668 19947 29089 70031 90389 92335
54735 57654 00172 05226 63815 86745 06559 50958 99025 07328
02230 07666 00090 81433 93052 79272 94840 24307 33566 24577
73812 65194 21719 59036 12007 90197 50023 85620 55730 91457
08561 64207 42079 48610 92945 77554 06848 12559 13252 60398
67032 50160 33457 05512 56201 52473 78419 20217 13610 84394
25105 04781 36465 65512 18422 89539 35935 41134 93207 73616
36721 20937 95226 07568 98766 38021 65618 51479 88487 15497
72423 82181 11055 73167 57543 23752 31737 16706 02835 59543
11778 29806 72009 71334 66351 03779 27741 76265 30187 03405
41619 05713 19450 39634 23676 46094 54932 58888 06244 18179
86853 26940 11728 98111 11977 42923 93725 63297 08268 94669
57802 19228 38299 33663 61838 06614 48927 13892 41216 94986
10280 89352 21292 85081 73877 06710 62730 71419 49490 11449
68818 05844 10461 84654 77688 84836 98076 73896 59363 23427
10052 64443 67996 35516 45602 22391 27414 85786 77794 16761
97111 31040 84671 11258 07899 97499 05648 46646 24234 05260
80191 22306 13806 96818 25850 51953 08766 53643 60973 77001
08836 75029 64527 17788 84933 45835 21356 85774 39479 51486
79295 76943 93623 32729 14281 37778 21176 99202 76754 75188
09188 51430 49662 54103 43235 87745 50636 71176 09665 93647
13623 73769 24812 00793 07924 22116 66555 66883 26323 66063
76143 19872 07117 72746 25563 03248 28682 81076 82537 88071
30007 09563 76888 05584 97812 57405 25367 10423 74552 97187
95197 50178 76108 45831 37862 05526 52131 92829 24804 92143
77265 54291 72878 14691 99043 59315 44223 76914 28139 39986
59063 69559 88638 21593 62869 04060 98880 39026 02980 50517
96768 56088 92330 99135 66864 25964 43763 61334 34874 20437
51115 35855 56272 90392 16805 76484 36683 62196 86740 38896
13142 48451 82282 34565 38123 25633 61539 54515 82960 33801
08644 13105 89849 74285 95374 15177 61960 43743 47823 76078
15552 82927 42029 07701 88869 23211 13287 98245 04787 86383
67375 34683 52284 43541

18513/17463/16292 kHz, 13-09, 1520/1530/1540 UTC

00619 00443 92009 02404 28351 02020 55971 85581 65077 72009
62340 10012 90407 69161 66832 01186 79283 61362 47891 01663
56333 23392 80317 04444 94606 77903 05910 87445 30812 46391
24371 04413 82892 27174 36803 71609 44909 89388 18779 41697
92676 58898 30912 29260 80425 53771 18790 34919 60414 91977
97279 85563 99832 02197 36214 21957 13508 87565 07797 50447

96108 68524 54769 18685 47638 57926 27119 63233 32358 95221
56276 89894 42582 06194 08986 97434 92479 51056 24018 40835
59112 70889 27031 38833 49111 38807 04580 80694 90958 14846
58100 57342 81590 68331 45587 24151 04128 12226 81621 22498
26651 55555 02561 65191 35701 07384 42980 93637 93210 38778
29476 62451 63547 66961 91333 25119 41493 15935 69573 08831
53346 46424 72273 17512 37121 98932 08303 74250 60606 84833
93305 80252 69433 01519 14183 03557 68428 61838 03132 41726
95825 10941 87483 52180 85368 95648 93794 14628 76996 20468
82657 88191 42652 72790 69151 80226 83280 85047 28070 36767
99079 68729 33030 08376 45471 49223 93016 62027 52777 87776
56689 79654 12803 27846 13004 42404 58939 20093 32143 41472
05137 93673 97253 40138 02176 05113 37600 96642 32367 33956
20275 83380 33767 66363 42645 27095 77909 79106 06708 36144
02631 31766 61850 89218 63777 03003 75387 14805 59785 26747
21286 63186 52904 86597 31630 05405 71475 92891 06200 40358
11623 96373 29660 18821 67501 73308 45887 46439 85199 85907
64493 79832 13385 95997 38840 73369 31823 08034 76359 99172
29724 22794 36856 05619 12669 57087 30476 47168 34732 37240
55619 85017 72905 66349 24521 06256 02106 43028 21717 90468
57114 28948 29604 73876 62253 41453 49801 56905 47756 58259
73580 63440 16531 07027 10633 88827 59517 24040 06151 10413
42832 98717 11707 47959 30288 79474 06926 47035 71476 32584
71263 88794 86315 85890 42057 00776 93189 62978 43365 71215
07286 73569 99410 76472 63658 92177 68486 65877 55715 35692
46737 78064 36877 11304 47636 58396 17241 81643 43588 82777
34526 02765 85427 15172 86994 84785 77124 30639 64969 09856
95637 96537 80674 34935 03127 69261 99305 35233 84300 38109
10987 41048 91318 35783 85845 93198 51916 75011 38254 83659
83534 11545 19390 60586 36688 04520 88141 84238 89477 78871
15053 37846 00907 45859 40054 50198 97389 01941 08177 78373
59090 82006 97341 05478 71789 93477 11445 49644 29325 93794
32868 02112 92384 81309 26320 84091 77147 20087 98245 98605
81119 15066 45754 05429 23056 73140 40140 45459 95727 35647
95808 49974 66834 59879 24569 01527 14202 13911 88796 43210
93074 38496 54913 95681 46002 12940 45461 19597 19538 55961
73050 77301 03695 09570 97253 44023 36251 91912 82421 98648
53336 65984 53915 93677 97985 82892 35277 32504 56740 24792
69889 63236 31290 55034 05530 63022

18513/17463/16292/15947 kHz, 14-09, 1520/1530/1540/1550 UTC. Message

19583/19051 kHz, 15-09, 1500/1510 UTC

00961 00445 94417 67423 81669 86919 51244 39047 27652 29974
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76109 71410 85351 45688 70569 87448 80104 30815 20262 88217
87738 16127 86888 28312 49234 06775 01983 93719 00930 16080
02069 55653 98845 82387 25222 94571 89825 37588 21714 48626
12382 86169 39510 55923 73719 53228 10309 48728 96853 94220
06814 20428 18785 39434 42235 96229 53276 93964 08555 60906
33331 26789 38888 64912 22136 20455 72564 02963 20466 75996
97622 42516 09100 71634 75834 01569 76615 30964 54591 96004
96464 53253 96864 06708 09265 81639 66868 59410 40152 28991
41295 95859 29033 60807 15294 85591 47281 74597 33786 53263
80663 07345 28262 20856 96597 64297 11328 47149 63598 40665
19613 22311 39372 12549 64440 80076 29924 32179 55646 40495
83586 13153 62810 91473 34701 01762 13483 48292 56339 90242
54286 02018 97177 01328 15340 89119 24991 76008 10110 44967
70311 89717 95811 99485 00378 18983 56486 16483 96366 35217
55667 15102 18950 93289 69676 67510 44534 36787 86153 94834
50814 63034 90809 73355 86378 17594 25133 38044 97208 75319
55085 53914 22068 10679 70183 93868 17341 63323 82095 15718
45274 96998 51924 21122 34574 39184 83067 03887 31651 47828

44585 88203 89853 15275 94152 07276 98906 22456 13107 91782
93848 18442 19274 21046 80130 01752 93032 08270 23106 75806
50169 81209 54690 70434 49559 53814 11110 69686 38780 47193
34526 21245 06393 49379 30734 66880 64059 06793 16526 62906
94960 94884 50216 90312 21868 26832 77724 30877 40990 32822
46151 74796 80780 55843 97658 63374 33513 19419 65715 40337
96165 29220 83674 65912 57255 72602 12048 69894 90311 13249
37692 86239 91742 60198 80845 55284 30993 64376 48565 22726
76089 80231 28695 05958 01042 59728 40464 50549 51719 67359
33367 44640 41077 76188 66740 65739 11209 84302 33056 49265
14783 07830 40565 27741 95128 59910 83053 20581 74996 42373
32380 69135 70852 42988 64247 15933 00525 77716 64870 97526
32137 61498 18174 22952 79880 93050 45162 15554 93457 15105
44075 46690 31319 99299 07943 68258 39666 00954 10828 41130
76674 19883 75551 09346 34978 64231 73787 98087 11940 50806
65214 33491 19432 35528 17127 53284 89655 17612 47859 02077
14748 67498 27122 59891 98297 85689 37815 71551 35045 95987
76266 99569 66887 23739 20852 12254 85945 08827 87973 15649
19263 47073 03613 42651 49890 10583 27258 95789 82172 54657
78602 22053 53093 08750 26381 09175 92760 15660 11047 49287
26415 02235 63042 15952 74538 65643 66602 95691 14676 04872
67337 80827 29638 32209 82813 67674 63884 84470 10001 87714
58431 42024 89378 80386 17384 54212 46475 58137 97357 11677
19493 70285 97779 38685 89233 17027 84029 87660 68111 84245
43979 31566 81113 77299 87319 97774 92414 51217

19583/19051/18513/16292/15947 kHz, 16-09, 1500/1510/1520/1540/1550 UTC

00912 00440 34103 33928 28077 02140 20379 19319 39060 41580
59770 65924 95792 16670 40432 99884 33726 29545 21561 36184
27500 47966 70919 75090 99329 20289 64150 26604 80300 42725
41885 99792 20689 79885 77497 67833 53277 84335 49515 17325
41484 80611 32667 31112 23789 40496 60495 15519 33546 26410
31839 56876 18568 11174 41667 51878 19372 59011 34598 07788
37988 93774 39017 96333 99693 59976 45234 15906 39172 72597
46607 49390 80028 04235 94699 46888 15299 39806 51301 58833
59792 48631 93056 53890 10886 85007 81224 09514 38218 25619
48460 94264 49736 41727 79335 47708 41594 36333 31417 63812
95260 44589 76346 60948 79801 82448 76847 14332 16474 94778
36579 79564 07710 75764 47994 89356 00718 85126 85446 14686
78751 35719 77686 13552 24136 52342 99652 38301 24898 46990
05294 78965 08389 87487 63571 15203 72283 32108 74088 28437
08160 66891 93039 43439 89039 68894 86554 73971 93732 89978
46990 56466 50885 16731 85059 59540 66901 62793 36811 27458
82794 38546 89433 69482 89483 57613 71175 20221 12192 32790
17072 68608 11038 57008 06525 11860 42679 34246 24512 55240
65787 25680 44567 34919 99998 48826 28079 91657 02428 04030
48300 09489 95295 46629 45641 69613 77457 23556 53954 31426
97718 66332 61778 60941 72906 78380 45428 93875 10205 73199
16861 32655 38281 81569 61670 57114 93977 54514 69483 40657
29533 79517 17793 08162 84488 07582 73312 64408 11367 36911
34402 19122 80290 93085 57521 99453 63900 83625 62011 21618
03397 34202 81451 29227 87167 15645 71207 13726 84957 88526
75634 22943 54072 13297 01892 18201 48538 53616 76451 65323
05068 81019 82508 73292 38797 97738 52363 45195 24048 62216
93212 10351 92501 47864 37259 95329 98064 88565 20993 68842
36374 59585 79449 22839 61275 11459 65049 66993 91192 39319
50914 10284 07173 96687 16549 22377 51693 08159 90428 89428
63281 26011 89677 22740 95313 65283 30440 06207 76036 06561
20135 59972 32622 07608 28948 45481 01569 59669 12016 27338
32688 85368 54001 84727 11301 82927 03178 95812 31315 14881
43636 89905 98135 31563 05561 10362 69907 56708 27525 95991
81017 58841 90955 84631 19184 90940 77660 99563 67739 71067
20807 92023 96141 63090 56739 77911 72009 04949 11439 12385

62104 34627 74891 61154 62923 30229 61836 01058 02047 18585
75572 44859 32144 16023 46320 73846 94412 69368 65543 20360
05266 03614 28073 60247 94073 51612 93763 35045 74823 27648
38352 64958 45269 15139 33887 46389 83949 29800 21707 88954
29104 76601 97515 49153 95493 75946 59878 80117 16769 82892
83498 02640 39405 91077 07118 58490 06554 14644 67080 11311
36465 26790 26234 74397 80232 10614 99589 17004 82135 99929
89895 64611 47661 76588 91254 28663 06097 78918 64752 18126
91732 13645 67027

19583/19051/18513/17463/16292/15947 kHz, 17-09, 1500/1510/1520/1530/1540/1550 UTC

00186 00262 08677 46643 88216 00102 42244 02480 06501 46055
23113 22614 85517 52554 04510 33745 96826 02303 02550 25328
66116 20834 48104 18103 54363 07721 88860 55526 30411 00334
35853 88804 65673 27728 55078 63084 75183 65043 21705 41262
34563 84340 04060 26688 08782 48366 33967 65060 16066 48113
13121 38878 10222 77068 61053 64662 62000 80463 71176 60383
10055 03028 61066 86065 00090 33088 55040 66788 06366 30333
48438 10761 68598 51386 91843 80865 06663 20405 08311 06088
63763 24000 33858 81106 86313 85884 67780 88413 56563 80305
00875 04730 83765 62300 30002 31445 23161 07884 16668 85601
84333 77166 57684 65620 99663 92248 70379 68835 95314 91288
47889 31583 70042 65199 96629 96148 69067 79958 00652 15004
65406 66526 10116 16858 38338 44809 28005 06288 11175 60207
56691 88666 03886 23818 10641 86676 66316 57227 82433 03065
25605 88833 83186 64263 32326 68388 33676 28566 65680 33863
62466 33111 06232 00405 10084 27807 66850 30625 36081 44832
63032 63080 47449 24006 33605 38200 16688 37113 33336 88832
28821 00630 86413 86686 88488 55461 63327 33855 64430 66658
00132 88438 31606 87310 87828 13378 80533 13380 03623 83833
28635 26591 22145 37699 39911 62512 50283 58090 30658 83213
42680 86462 85008 65636 05130 40636 55787 20556 12006 53730
54478 21889 66192 66111 33700 64603 10484 61116 37166 08126
66666 03308 33588 48402 70106 02240 88584 48714 56663 26875
16066 14137 12202 81216 16367 24669 14419 65869 81180 46092
58680 60877 01383 38890 39454 06646 66387 56010 83876 64316
30027 88166 20013 12432 25537 49382 32861 35615 85529 02888
53130 06082 63780 84010 36663 38330 18686 84874 48754 18030
50183 45614 79036 90073 60334 06688 01823 83706 00038 62458
31830 32572 55725 80446 85856 26900 83123 00668 44668 66873
80805 78803 80338 78199 81844 52588 86085 16362 11126 00123
88058 65511 07267 74945 25131 95412 00128 28829 52076 08836
46457 38043 24466 33068 60048 30568 50356 82342 99062 00763
45217 07917 29094 80660 37235 70278 65275 88736 08132 07846
08512 85560 81480 09915 63399 66318 25305 80778 56314 80433
16770 64193 48681 36832 20523 32650 53225 47268 18250 52380
02242 14833 17299 01463 44804 80030 46327 26484 36600 43652
30137 10382 21796 33230 08223 61887 66663 05552 68668 84728
04263 68566 26028 08409 66250

19583/19051/18513/17463/16292/15947 kHz, 18-09, 2024-09-18 1500/1510/1520/1530/1540/1550 UTC

00704 00417 20807 74893 16064 81103 16244 90703 87925 15600
03903 03880 29097 86476 97149 82924 56853 48934 61443 45647
66894 26948 85891 44482 30474 59825 94941 76154 70704 48199
46362 49960 89947 63290 62614 98296 40573 45540 54141 07835
90240 86816 19658 32732 58156 14047 46172 25908 51666 27086
31330 18563 61085 72335 71827 67556 81351 76323 44419 56237
86160 40088 19998 39726 69236 53942 13932 65806 23861 98851
42350 11312 94791 53608 55406 80077 07289 53159 86325 16427
13653 69033 24488 43617 16868 27799 88873 17611 91462 95057
16945 64248 01121 97902 21673 50151 66817 79931 63495 04213
00115 80365 02046 52813 84735 20017 23771 07477 16929 91748
60266 28192 89997 27992 42584 17127 15599 76380 22857 41436

65067 96319 74342 28803 81906 78100 10191 96888 31934 05254
13260 27356 89663 82111 16311 33287 66987 71673 58880 96850
04028 81395 00682 99712 34790 88751 74249 73128 55317 04546
34551 90435 57074 22058 39145 03794 06022 73241 70905 06634
09826 26881 75541 11674 78488 32909 38528 07886 11680 09297
50138 43924 17499 26005 37408 83670 95636 74629 94011 93154
03850 37061 41570 27388 70701 22823 70281 67605 42965 12516
27265 93744 00768 52246 87024 77145 05854 89006 21224 01881
50222 66363 61448 46020 54406 90626 72936 31068 84648 55473
08157 31391 79229 77750 02784 72763 85310 48153 40972 55664
62627 70922 64919 99162 82031 56393 43156 65252 38980 60262
77816 06630 53404 92130 42931 37486 75612 95548 72980 80074
49886 39212 82955 87491 04359 95872 14515 23016 49461 14260
91833 57699 48034 65558 39252 79299 01443 62284 63988 98012
47469 07683 92086 24385 77655 01526 77985 87097 34818 65296
97150 89761 75172 60896 05777 23414 87965 77427 94803 86157
41878 20139 15790 24720 68428 20117 58594 87844 52877 63630
36042 13327 31559 74967 32604 42203 47124 58569 09835 02832
17886 27416 88196 84163 17108 02071 82526 87136 59781 15838
91332 24015 67480 77830 56133 27329 91891 67366 55956 57538
42931 90139 34219 71186 29253 83822 58201 00204 28291 63573
76288 29395 67591 91970 68270 14461 31941 31625 07611 66356
37589 71456 28063 37039 72297 12027 45846 53728 18833 05275
50310 79757 02613 52296 59900 27745 93195 17009 54909 33285
43869 82321 58844 96206 39549 61936 56422 75508 09559 41672
95386 60265 59754 89599 19948 71473 62075 97179 98888 17226
37975 04472 81370 23016 13263 96529 26782 15295 32070 40525
21264 14931 76714 74325 22486 55267 12611 31856 97489 10360
55603 70337 44169 77160 09887 90043 20002 13012 32347 88425
65668 96015 18120 37683 95308 39396 00951 35828 82943 43233

19583/19051/18513/17463/16292/15947 kHz, 19-09, 1500/1510/1520/1530/1540/1550 UTC

00209 00398 80629 39480 89984 30114 35988 40013 23919 78998
38316 60874 65590 01455 87256 00100 35046 99828 78485 79379
84664 12254 90417 91133 82296 44599 14780 80589 56844 82592
79404 55814 12090 42325 35875 06165 39737 58171 75034 97830
49984 70833 72565 58010 22924 49257 89467 23410 37122 22213
86121 52972 59822 10279 65066 69410 57678 89495 57183 45385
15334 55398 83168 41325 99592 82500 48784 23265 65579 81090
60362 76873 24794 80653 29395 13831 39688 32407 68209 33038
55130 91369 43466 34631 96470 26432 95990 01810 77257 66463
48486 50241 00988 29648 82496 94584 87664 31239 58416 40422
00473 66202 57829 56030 61849 09248 28177 79167 80883 51235
29721 25271 21285 24145 90254 23964 11931 48537 44854 73160
86508 46974 46007 99114 32604 10120 75885 95144 98156 34809
26166 08449 73990 27787 32564 88926 33539 87435 72780 87221
98253 16822 20926 26021 36742 23215 28955 76841 39393 58532
82653 39126 86383 85254 53912 53498 20194 58714 23426 51728
33362 33032 81010 46073 25069 21272 51279 93497 91580 01327
90423 24495 75756 57631 74905 69686 26047 19985 62372 09388
81164 99043 55750 39624 52154 87038 22064 88734 73874 79065
68731 74824 64009 21051 53859 65221 35811 74851 00951 15469
71934 35457 85260 38065 68107 58158 63369 28752 10348 84225
27450 00209 96340 14037 70563 34317 77280 41385 93917 38030
99207 62544 19623 12514 32594 15599 60485 54704 03771 09684
33874 51195 19034 46903 37453 45707 13782 17684 71516 93995
23668 93311 78385 89647 51614 68522 78482 49971 50486 19541
87939 94425 80932 62920 16261 09389 15833 72745 05471 52507
97672 08664 24980 00664 50350 76253 81174 49437 76583 24856
20535 59595 69868 99921 14362 05895 84158 29974 60898 64071
37116 10513 04218 84229 21744 39447 70262 56112 30642 28063
29873 41036 12213 19008 96322 15003 68331 77721 39296 75359
87347 29044 73386 25630 99005 28343 24556 81009 48558 10365

25230 85858 11846 41398 15391 87158 04446 40750 78918 10903
05991 25061 18795 48519 94982 79497 47382 50859 03599 99357
37563 06437 90676 85537 76722 08071 37125 78586 85222 93400
14891 89251 07554 20276 02833 44013 29190 70813 03617 09163
10556 27581 98801 28393 69368 62286 10248 24866 30646 19508
80960 73696 77410 49199 72800 18792 95180 26307 64675 07319
50032 25859 55526 85517 96010 16739 17506 98518 45686 50968
50307 76567 47242 94434 88800 09982 07634 62282 16169 14436
97822 12258 47939 65714 12439 41193 11840 58353 47474 84039
31300

19583/19051/18513/17463/15947 kHz, 20-09, 1500/1510/ 1520/1530/1550 UTC

00808 00428 20955 61507 20096 62407 77211 50532 35752 53545
67867 68465 16884 96735 96125 57808 94077 06149 04975 68469
92409 13310 28505 06605 81523 60279 62052 14727 94497 17105
00752 38840 88112 11433 67181 21306 92823 94435 83070 22219
24624 80254 59703 52451 04027 83538 47877 00689 15838 19554
65295 15856 31462 56724 19483 57121 50137 14349 79982 59816
00354 62483 56034 18646 52793 29027 80351 05450 29553 74818
64984 99641 23077 82755 43844 12155 53606 76053 02578 97984
12401 61362 98888 74943 51809 84894 07377 31388 91949 10060
71168 78473 14453 23254 21864 62139 24219 41056 99657 74999
03187 42426 71135 41019 54569 65653 92777 48706 12879 07327
03515 74082 11771 81997 47415 38990 63594 81090 66836 67897
21650 48962 13500 19492 03649 86509 85187 99822 60890 81703
87934 12550 76394 27577 94796 69973 90226 57869 20373 86155
92116 58669 18509 84622 06545 97085 66702 32455 75838 82873
98544 43128 74218 31760 53349 54223 28926 51642 37369 68058
80464 92954 87815 31174 19391 90963 97687 84193 87199 77440
48763 05725 60716 80680 75779 62979 30453 28876 12947 06563
19807 52732 23984 78015 83158 44806 38330 44634 74227 40572
41046 38584 20499 52314 05690 99161 70852 87333 65230 15580
99396 82508 45254 98396 34110 92818 82411 93537 55979 90368
23770 00050 38694 30806 48251 27732 68970 09800 48014 74584
52633 53053 09965 46626 36393 10178 85225 08402 74989 76617
92125 43118 63645 97366 07165 37298 07477 25586 43905 90339
62394 44791 88653 83857 16802 40996 99888 89691 04062 77957
30191 61052 39318 90644 62945 46343 72542 98627 62002 23931
07593 74009 18548 79361 98241 80650 36403 41326 23640 10953
20255 43383 65893 57674 12190 07841 64398 26107 29824 95396
10288 95532 04339 97031 46426 31073 03799 72999 34421 60821
64754 08848 63582 19973 82745 88383 26243 09292 85614 36150
04593 58562 66050 93108 57702 86806 95157 81643 78454 55003
81943 46335 68803 66605 13632 12059 69670 21516 32935 67168
66850 63302 06805 62818 46187 11406 79800 45919 74928 23805
81587 55006 40480 83672 80803 50625 28482 00229 38328 58608
35804 22155 94544 79316 78876 18318 40044 96875 06330 70685
18713 04727 76355 18446 59298 41189 51656 03231 46910 46295
07005 49238 06714 54649 73505 26837 05944 75129 75800 61916
82576 58440 82186 73315 31253 54695 68857 27588 83941 27878
71360 82823 39588 04242 05091 76870 78749 22045 34374 49614
00068 26250 64317 93032 52612 86675 15440 39894 05810 52038
12374 64914 21174 44413 88107 60272 22539 03039 87191 04602
72330 24068 19289 19031 74934 24180 08649 02472 49557 96634
48086 83887 40755 26186 61848 56326 94121 89153 20702 44577
44672

19583/19051/18513/17463/16292/15947 kHz, 21-09, 1500/1510/1520/1530/1540/1550 UTC

00904 00439 13237 93924 23792 94260 86686 73208 79848 24597
70641 94833 15987 06062 74708 64951 56027 75503 78165 50373
61815 74517 34036 25673 48847 55264 05209 88141 63317 46943
53553 11293 35692 34264 91357 75249 19295 61726 55538 84788
56385 63373 07916 38057 28865 66103 55645 45184 28637 03203

08168 90804 01847 73826 72659 71214 55244 87562 45077 68526
89050 98544 09889 32805 71043 59937 59140 81721 14703 99457
45656 94299 19965 93376 93986 98441 66600 85876 96806 82742
99617 60024 59504 60113 38774 62747 09446 61864 61604 20143
20005 31731 16648 87010 95736 57840 53482 75010 67113 69517
06963 73923 30480 29178 57546 13867 70838 08470 79839 74217
04613 59366 90755 62334 68908 29026 39039 48777 94029 08296
49901 87275 20006 84558 78451 03924 77650 32853 97638 36145
44958 90589 28763 27289 75779 25694 29543 30326 02566 24906
91907 00976 82024 87385 15530 60638 40975 54313 18102 66709
18801 03705 80879 58817 19615 09687 53805 35920 49725 43621
36216 37885 10830 43693 29258 13023 30603 63465 86554 43213
99482 08713 47210 69222 16387 48925 15250 32730 79028 18813
72948 23337 14851 30929 17344 41253 10709 69945 07673 66091
71887 93621 80599 58943 88689 54022 90145 38330 58127 02507
30035 77508 67758 74887 67226 10088 56493 11656 42430 70689
94435 21075 56890 30912 70672 12879 23034 79899 26349 88004
02313 60657 55792 20462 71324 05860 28112 88266 80532 62363
58779 76919 74602 76521 88777 95438 55577 39962 63701 07255
84758 99051 27515 36982 71655 50812 36731 49686 88269 75810
30988 10245 11981 70121 00193 69377 21716 47296 03563 61366
81974 68226 31123 80065 11910 17516 46471 80368 42134 75232
57300 83071 16198 19093 03246 03260 33142 18809 48805 20512
69128 78425 99995 04721 31375 48533 64938 04480 76327 19399
73722 08280 36399 02335 25280 16531 67928 47448 25071 54139
04340 56362 07552 13036 18509 47915 94045 92886 66875 96932
36235 02906 98489 83050 92237 03549 68230 26401 48689 63375
52577 41991 04040 22734 00510 49019 46672 13862 93812 86713
35331 85692 93736 94665 16171 12765 70872 86958 86211 83458
54487 72050 37604 79394 83163 70815 09789 53347 10097 21730
48300 41526 98758 61685 01562 62348 52321 84816 11526 69488
01243 80183 99072 80061 61601 50542 09169 03824 66878 79471
32675 81271 40189 65229 08888 80525 04387 24645 39570 30693
39229 93323 03764 72081 38413 93803 86932 32041 93103 53821
60443 86055 75431 16722 82214 74302 72977 57442 17792 32621
61646 05965 86468 30625 89054 67028 01336 33529 52806 21035
57961 27676 45246 80831 30258 07919 76418 26991 41747 67796
63608 77126 10720 13056 19027 46619 05839 23467 83013 34584
07548 46943 06852 06948 69046 33264 06854 73138 83026 71384
92466 70367

19583/19051/18513/17463/16292/15947 kHz, 22-09, 1500/1510/1520/1530/1540/1550 UTC

00975 00402 46154 17350 70370 21072 39647 20362 94189 72324
35787 28928 26773 08402 94060 21024 89481 39661 66244 78686
49783 57995 12838 50266 47547 95354 75337 94679 71054 29585
61744 62322 01882 49767 67853 99417 32582 21794 76550 01161
17803 20570 76288 08112 90231 59251 92297 78811 07540 25369
06226 21502 53112 99242 07885 29369 39777 95886 69801 75015
45733 44966 49306 64603 10579 73463 27045 77004 40548 94641
88441 67687 63110 65082 60882 29213 81706 04725 60033 88295
03056 96525 87139 45684 23359 40241 09209 02638 41881 38483
59639 36695 51991 01534 55427 72835 71262 11684 97531 16768
32205 15292 38263 12897 36927 38538 58391 88029 38360 78671
47661 35052 35852 81505 71959 49207 57826 03621 41244 70337
64254 24406 35123 02064 35001 51745 15695 61575 09655 88045
57949 70022 07192 43265 56089 87762 58262 74241 08756 84820
81849 21179 64277 63209 90821 24587 00842 70484 29574 06219
15009 67640 70439 27194 52513 07799 80168 36198 77895 85181
22842 96815 78373 50314 20722 77638 27860 92586 25415 84196
90943 83583 94863 56422 88487 43074 60128 71913 11242 10414
50903 45210 32001 03436 73035 90307 99582 79996 90751 48290
07593 22063 96345 23574 61978 85032 42805 13962 42487 13182
96725 08254 45069 45376 15274 31424 72775 14016 38706 09438

47669 08255 24956 67480 34277 77630 64814 74937 77277 30413
78055 47862 01835 77123 76602 68880 87237 71289 94442 03454
00269 46165 29425 98058 13687 42648 00141 86623 88160 41610
17532 85565 41290 81312 00621 99337 97106 28864 89295 84346
20218 67867 36684 12074 35125 48863 06419 67944 68773 46393
44186 01486 19573 35251 09168 01504 78828 26896 53793 91628
77489 78189 86775 35667 12881 92489 06571 20521 76502 77264
71772 58373 81992 10096 83234 32401 09481 17351 62932 64823
36229 32195 17850 41767 97423 16045 65992 06038 72143 99115
20508 70209 75069 97666 06856 42028 81090 01016 99191 42635
42291 85896 91441 91507 74619 85812 19493 09477 52016 76766
92022 61476 63962 88969 55398 45294 60339 45008 38242 96834
26497 00533 48377 77385 56755 01563 83302 84324 03239 41206
51310 08464 18158 20297 22531 50332 40753 26341 67146 11611
96551 56515 54021 95376 07093 59031 06246 86099 42267 61561
81687 36082 62773 02357 16138 41758 37519 14055 34752 73056
02510 35167 06237 10810 25456 83557 43317 43665 66437 05066
04541 33997 77860 26631 00282 69981 46510 52999 70292 97723
95315 97201 42056 41677 59517 15228 45690 15801 04158 80771
12812 26697 91588 94089 35662

XPB1

19668 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09/30-09, 0500 UTC
19268 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09/30-09, 0510 UTC
18268 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09/30-09, 0520 UTC
17468 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09/30-09, 0530 UTC
16268 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09/30-09, 0540 UTC
15868 kHz, 02-09/03-09/09-09/10-09/16-09/17-09/23-09/24-09/30-09, 0550 UTC

20017 kHz, 03-09/06-09/10-09/13-09/20-09/24-09/27-09, 1300 UTC
19317 kHz, 03-09/06-09/10-09/13-09/20-09/24-09/27-09, 1310 UTC
18037 kHz, 03-09/06-09/10-09/13-09/20-09/24-09/27-09, 1320 UTC
17417 kHz, 03-09/06-09/10-09/13-09/20-09/24-09/27-09, 1330 UTC
16217 kHz, 03-09/06-09/10-09/13-09/20-09/24-09/27-09, 1340 UTC
15817 kHz, 03-09/06-09/10-09/13-09/20-09/24-09/27-09, 1350 UTC

13521 kHz, 04-09/07-09/11-09/14-09/18-08/21-09/25-09/28-09, 1100 UTC
13421 kHz, 04-09/07-09/11-09/14-09/18-08/21-09/25-09/28-09, 1110 UTC
12221 kHz, 04-09/07-09/11-09/14-09/18-08/21-09/25-09/28-09, 1120 UTC
11521 kHz, 04-09/07-09/11-09/14-09/18-08/21-09/25-09/28-09, 1120 UTC
11021 kHz, 04-09/07-09/11-09/14-09/18-08/21-09/25-09/28-09, 1140 UTC
10521 kHz, 04-09/07-09/11-09/14-09/18-08/21-09/25-09/28-09, 1150 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

18515 kHz, 02-09, 1023 UTC, RFSM
18455 kHz, 02-09, 1300 UTC, RFSM
17440 kHz, 02-09, 1222 UTC, RFSM
14755 kHz, 02-09, 0825 UTC, RFSM
18515 kHz, 03-09, 1025 UTC, RFSM
18455 kHz, 03-09, 1256 UTC, RFSM
17440 kHz, 03-09, 1228 UTC, RFSM
14755 kHz, 03-09, 0828 UTC, RFSM
18515 kHz, 04-09, 1024 UTC, RFSM
18455 kHz, 04-09, 1258 UTC, RFSM
17440 kHz, 04-09, 1225 UTC, RFSM
14755 kHz, 04-09, 0825 UTC, RFSM
16282 kHz, 05-09, 0744 UTC, RFSM

14755 kHz, 05-09, 0826 UTC, RFSM
 18455 kHz, 05-09, 0714 UTC, RFSM
 18515 kHz, 05-09, 0847 UTC, RFSM
 18515 kHz, 09-09, 1029 UTC, RFSM
 18455 kHz, 09-09, 1258 UTC, RFSM
 17440 kHz, 09-09, 1223 UTC, RFSM
 14755 kHz, 09-09, 0826 UTC, RFSM
 14755 kHz, 12-09, 0828 UTC, RFSM
 18515 kHz, 12-09, 1027 UTC, RFSM
 16288 kHz, 24-09, 1224 UTC, RFSM
 14755 kHz, 24-09, 0831 UTC, RFSM
 18455 kHz, 24-09, 1257 UTC, RFSM
 18515 kHz, 24-09, 1023 UTC, RFSM
 14755 kHz, 25-09, 0825 UTC, RFSM
 18455 kHz, 25-09, 1258 UTC, RFSM
 18515 kHz, 25-09, 1024 UTC, RFSM
 9375 kHz, 25-09, 0725 UTC, RFSM
 16285 kHz, 25-09, 0827 UTC, RFSM
 14755 kHz, 25-09, 0828 UTC, RFSM

Diplomatic stations: Egypt

17415 kHz, 13-09, 0814 UTC	MFA Cairo message to Egyptian embassy London
20860 kHz, 15-09, 0758 UTC	MFA Cairo message to Egyptian embassy Addis Ababa

Diplomatic stations: North Korea

13556 kHz, 02-09, 0719 UTC
 16252 kHz, 04-09, 0630 UTC
 14300 kHz, 10-09, 1200 UTC
 16100 kHz, 10-09, 1200 UTC
 16100 kHz, 11-09, 0807 UTC
 14200 kHz, 12-09, 0705 UTC
 17710 kHz, 11-09, 1403 UTC
 14300 kHz, 12-09, 0750 UTC
 16252 kHz, 13-09, 1232 UTC
 16252 kHz, 13-09, 1301 UTC. QSX 16230 kHz
 16230 kHz, 13-09, 1301 UTC. QSX 16252 kHz
 16100 kHz, 18-09, 1304 UTC. QSX 16252 kHz
 16252 kHz, 18-09, 1304 UTC. QSX 16100 kHz
 13115 kHz, 18-09, 1317 UTC
 13555 kHz, 18-09, 0720 UTC
 18650 kHz, 24-09, 1231 UTC
 14300 kHz, 25-09, 1232 UTC
 16252 kHz, 26-09, 0638 UTC
 14540 kHz, 26-09, 0638 UTC

Diplomatic stations: Russia

18459 kHz, 03-09, 0840 UTC, MFSK-66	Russian diplo
17420 kHz, 03-09, 1205 UTC, Serdolik v2	Russian diplo
17420 kHz, 03-09, 1213 UTC, Serdolik v2	Russian diplo
15687 kHz, 03-09, 0830 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
13401 kHz, 03-09, 0835 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
19878 kHz, 04-09, 1228 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
13407 kHz, 04-09, 1552 UTC, Serdolik v2	Russian diplo
14728 kHz, 04-09, 1558 UTC, Serdolik v2	Russian diplo
12186 kHz, 04-09, 1558 UTC, MFSK-6	MFA Moscow clg 214356: Russian embassy Amman
13860 kHz, 04-09, 1603 UTC, Serdolik v2/DSB	Russian diplo
12183 kHz, 04-09, 1604 UTC, Serdolik v2/DSB	Russian diplo
15686 kHz, 04-09, 1606 UTC, Serdolik v2/DSB	Russian diplo

16219 kHz, 06-09, 0826 UTC, MFSK-6	MFA Moscow clg 324615: Russian embassy Madrid
18736 kHz, 06-09, 0839 UTC, MFSK-66	Russian diplo
19478 kHz, 06-09, 1023 UTC, Serdolik v2	Russian diplo
14865 kHz, 08-09, 1116 UTC, MFSK-6	MFA Moscow clg 261453z: Russian embassy Cairo
17475 kHz, 09-09, 0857 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
19275 kHz, 09-09, 0915 UTC, Serdolik v2	Russian diplo. Selcal
18235 kHz, 09-09, 0921 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19273 kHz, 09-09, 0926 UTC, Serdolik v2	Russian diplo
14865 kHz, 08-09, 1118 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
17475 kHz, 09-09, 0856 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
19235 kHz, 09-09, 0921 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
17466 kHz, 09-09, 1221 UTC, Serdolik v2	Russian diplo
17520 kHz, 10-09, 1003 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgebat
20815 kHz, 10-09, 1005 UTC, Serdolik v2	Russian diplo
20813 kHz, 10-09, 1009 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20813 kHz, 10-09, 1012 UTC, Serdolik v2	Russian diplo
16317 kHz, 10-09, 1016 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgebat
15785 kHz, 10-09, 1354 UTC, Serdolik FSK 40Bd	Russian diplo
13872 kHz, 10-09, 1402 UTC, Serdolik FSK 40Bd	Russian diplo
19610 kHz, 13-09, 1240 UTC, MFSK-6	MFA Moscow clg 216435: Russian embassy Dhaka
14863 kHz, 13-09, 0800 UTC, MFSK-6	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva
15985 kHz, 13-09, 0809 UTC, Perelivt	Russian diplo
13473 kHz, 13-09, 0855 UTC, Perelivt	Russian diplo
19251 kHz, 13-09, 1202 UTC, Perelivt	Russian diplo
12122 kHz, 16-08, 0649 UTC, Perelivt	Russian diplo
18762 kHz, 16-08, 0908 UTC, OFDM-45	Russian diplo
10980 kHz, 16-08, 1334 UTC, OFDM-112	Russian diplo
09950 kHz, 16-08, 1354 UTC, OFDM-112	Russian diplo
16115 kHz, 18-08, 1108 UTC, MFSK-6	MFA Moscow clg 215346: Russian consulate General Mumbai
09971 kHz, 18-08, 1118 UTC, OFDM-45	Russian diplo
08150 kHz, 18-08, 1133 UTC, OFDM-60	Russian diplo
12676 kHz, 18-08, 0955 UTC, OFDM-60	Russian diplo
07511 kHz, 18-08, 0947 UTC, OFDM-45	Russian diplo
09971 kHz, 18-08, 0857 UTC, OFDM-45	Russian diplo
19610 kHz, 13-09, 1240 UTC, MFSK-6	MFA Moscow clg unid station
13520 kHz, 16-09, 0748 UTC, MFSK-66	Russian diplo
12152 kHz, 16-09, 0750 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 16-09, 0810 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
14358 kHz, 17-09, 0825 UTC, MFSK-66	Russian diplo
14358 kHz, 17-09, 0829 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
17454 kHz, 17-09, 0840 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
13838 kHz, 18-09, 0640 UTC, MFSK-6	MFA Moscow clg 256341: Russian embassy Beirut
12183 kHz, 18-09, 1601 UTC, Serdolik v2	Russian diplo
12107 kHz, 18-09, 1601 UTC, Serdolik 40Bd FSK	Russian diplo
21825 kHz, 19-09, 0715 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
20844 kHz, 19-09, 0921 UTC, MFSK-66	Russian diplo
20627 kHz, 19-09, 1332 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
14865 kHz, 22-09, 0935 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
18332 kHz, 23-09, 0836 UTC, Serdolik v2	Russian diplo. Test
18332 kHz, 23-09, 0842 UTC, Serdolik v2	Russian diplo
19276 kHz, 23-09, 0916 UTC, Serdolik v2	Russian diplo. Selcal
19274 kHz, 23-09, 0917 UTC, Serdolik v2	Russian diplo
19276 kHz, 23-09, 0920 UTC, Serdolik v2	Russian diplo. Selcal
16117 kHz, 23-09, 0927 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19274 kHz, 23-09, 0933 UTC, Serdolik v2	Russian diplo
17466 kHz, 23-09, 0809 UTC, Serdolik v2	Russian diplo
17475 kHz, 23-09, 0828 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
19273 kHz, 23-09, 0934 UTC, Serdolik v2	Russian diplo
13420 kHz, 24-09, 0806 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
13420 kHz, 24-09, 0819 UTC, Serdolik v2	Russian diplo. Test
13420 kHz, 24-09, 0825 UTC, Serdolik v2	Russian diplo
20816 kHz, 24-09, 1004 UTC, Serdolik v2	Russian diplo
20813 kHz, 24-09, 1009 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai

18177 kHz, 25-09, 0759 UTC, MFSK-6
11153 kHz, 25-09, 0810 UTC, MFSK-6
11563 kHz, 25-09, 0815 UTC, Serdolik v2
13985 kHz, 25-09, 0852 UTC, MFSK-6
16116 kHz, 25-09, 0854 UTC, MFSK-6
14550 kHz, 26-09, 0806 UTC, MFSK-6
16911 kHz, 27-09, 1409 UTC, MFSK-6
17463 kHz, 27-09, 1415 UTC, MFSK-6

MFA Moscow clg 164253: Russian embassy Addis Ababa
MFA Moscow clg 465132: Russian embassy Sofia
Russian diplo
MFA Moscow clg 134265: Russian embassy Tunis
MFA Moscow clg 134265: Russian embassy Tunis
MFA Moscow clg 153624: Russian embassy Damascus
MFA Moscow clg 256134: Russian embassy Abidjan
MFA Moscow clg 256134: Russian embassy Abidjan

UTILITY ROUND-UP

Unid stations

16048 kHz, 03-09, 1010 UTC, CW

VVV VVV EEEEE XSH1 DE 5HLR QTC ZWO K
5HLR 04134 31305 04OX ZWO =
12245 35963 77268 49097 20421 72647 89926 80691 34004 05848
04192 80229 74530 62978 31223 79918 89044 51794 62509 07484
35278 67127 72019 18052 66504 03376 70542 31512 62791 99413
03030 589 K

6930 kHz, 25-09, 1640 UTC, USB New buzzer

Long dashes

Series of long dashes logged by Kalv and OWL

21899/16199/12499/11986/8999/6699 kHz, 13-09, 1240 UTC
21899/16198/12494/11966/8999/6699 kHz, 14-09, 1605 UTC
29996/27928/21899/16198/12494/11996/8999/6699 kHz, 1527 UTC
29996/21899/16198/12494/????/8999/6296 kHz, 23-09, 1325 UTC. Long dashes (29996kHz double impulse)

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

Russian Military morse traffic

13174 kHz, 25-09,

1400 UTC PHKN PHKN PHKN DE CMN3 QTC ZLX K
CMN3 759 34 25 1657 759 =
04919 17623 43250 12335 50233 50252 07289 54508 73174 76901
16412 59574 58658 39593 72093 51989 70142 43053 88178 05529
71298 97613 88902 61829 15300 93289 44240 14890 13360 44816
25030 184

1405 UTC CMN3 QRV K

1408 UTC AS

1411 UTC NW PHKN DE CMN3 RPT

AA 25 K
CMN3 R 871 K
CMN3 QRV K
BK BK RPT PBL K
RPT PBL K

1417 UTC CMN3 R 379 K
LRKW DE CMN3 QTC ZBS K
CMN3 979 34 25 17 14 979

Voice transmissions

The Priyom team spotted a number of transmissions, probably all belonging to the same Russian network. Note the unusually high frequencies and how they're all multiples of 50Hz. Only male operators were heard. "Razdiel" and Russian military style callsigns were part of the transmissions.

19600 kHz, 06-09, 0802 UTC, USB	Russian 5LG, live op
21550 kHz, 06-09, 0825 UTC, USB	Russian 5LG, live op
18750 kHz, 13-09, 0839 UTC, USB	Russian 5LG, live op
18900 kHz, 13-09, ???? UTC, USB	Russian 5FG, live op

Reports from other sources include:

20350 kHz, 03-10, 0753 UTC, USB	Russian 5LG "RSZGA TULBI BLMYS...", later calling "Zagatorsk"
23750 kHz, 03-10, 0806 UTC, USB	Russian op "possibly working with 20350kHz"
19800 kHz, 03-10, 0816 UTC, USB	Russian 5LG

CONTRIBUTORS

AB	Ary Boender, Netherlands	HK	Hiroyuki Komatsubara, Japan
AB-CYP	Ary Boender via remote rx Cyprus	Kalv	Kalvados
AB-F	Ary Boender via remote rx France	Lac	Lazycrypt
AB-FIN	Ary Boender via remote rx Finland	Max	Max via Priyom
AB-HNG	Ary Boender via remote rx Hungary	Moon	Moonlight (Dave AU)
AB-J	Ary Boender via remote rx Japan	OWL	OWL via Priyom
AB-KWT	Ary Boender via remote rx Kuwait	Pigmon	Pigmon via Pryom
AB-POL	Ary Boender via remote rx Poland	Pof	Pofista_975 via Priyom
AB-RUS	Ary Boender via remote rx Russia	Prac	Practic via Priyom
AB-S	Ary Boender via remote rx Sweden	Priyom	Priyom team
Anon	Anonymous	PY	Pierre Ynard, France and via remote rx
AVX	AlphaVax, Germany	RL	Roberto Landolpho, Brazil
Dan	Daniel LU5EMM, Argentina	RL-HOL	Roberto Landolpho via remote rx Netherlands
Deg	degenoah via Priyom	RO	Rando One, Sweden
EW	Eddy Waters, Australia	RWRV	RWRV via Priyom
Fspy	Feline Spy SWL	Rycat	Rycat via Priyom
HFD	Hans-Friedrich Dumrese, Germany	Subilo	Subilo
HFD-J	Hans-Friedrich Dumrese via remote rx Japan	T101	RadiotekhnikaT101 via Priyom
HFD-USA	Hans-Friedrich Dumrese via remote rx USA	TM	Time Machine

LOGS SECTION

Code	Date	UTC	Freq.	Day	Details	Mode	Contributor
---	3-9	0842	18569	Tue	Russian net	MFSK-13/MKSF-21	(AB)
---	3-9	0845	16274	Tue	Russian net	MFSK-13/MKSF-21	(AB)
---	3-9	1010	16048	Tue	VVV VVV EEEEE XSH1 DE 5HLR QTC ZWO K 5HLR 04134 31305 04OX ZWO = 12245 35963 77268 ... 62791 99413 03030 589 K	CW	(AB)
---	4-9	1109	19083	Wed	Russian station	MFSK-13/MKSF-21	(AB)
---	5-9	0813	18567	Thu	Russian net	MFSK-13/MKSF-21	(AB)
---	5-9	0817	16153	Thu	Russian net	MFSK-13/MKSF-21	(AB)
---	5-9	0821	14547	Thu	Russian net	MFSK-13/MKSF-21	(AB)
---	6-9	0709	16153	Fri	Russian net	MFSK-13/MKSF-21	(AB)
---	6-9	0904	18261	Fri	Russian net	MFSK-13/MKSF-21	(AB)
---	6-9	1234	18261	Fri	Russian net	MFSK-13/MKSF-21	(AB)
---	6-9	1245	14433	Fri	Russian net	MFSK-13/MKSF-21	(AB)
---	16-9	1303	12221	Mon	Russian net	MFSK-13	(Pof)
---	16-9	1310	9465	Mon	Russian net	MFSK-13	(Pof)
---	16-9	1431	13397	Mon	Russian net	MFSK-13	(T101)
---	17-9	0650	16172	Tue	Russian net	MFSK-13	(Priyom)
---	17-9	0801	18237	Tue	Russian net	MFSK-13	(Priyom)
---	17-9	1147	18237	Tue	Russian net	MFSK-13	(Pof)
---	17-9	1231	19457	Tue	Russian net	MFSK-13	(Priyom)
---	20-9	0845	12103	Fri	Unid station	MFSK-11	(Pof)
---	25-9	1640	6930	Wed	New buzzer	USB	(AB)
BUL	2-9	0825	14755	Mon	Bulgarian diplo	RFSM	(AB)
BUL	2-9	1023	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	2-9	1222	17440	Mon	Bulgarian diplo	RFSM	(AB)
BUL	2-9	1300	18455	Mon	Bulgarian diplo	RFSM	(AB)
BUL	3-9	0828	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	3-9	1025	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	3-9	1228	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	3-9	1256	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	4-9	0825	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	4-9	1024	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	4-9	1225	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	4-9	1258	18455	Wed	Bulgarian diplo	RFSM	(AB)
BUL	5-9	0714	18455	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	5-9	0744	16282	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	5-9	0826	14755	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	5-9	0847	18515	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	9-9	0826	14755	Mon	Bulgarian diplo	RFSM	(AB)

BUL	9-9	1029	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	9-9	1223	17440	Mon	Bulgarian diplo	RFSM	(AB)
BUL	9-9	1258	18455	Mon	Bulgarian diplo	RFSM	(AB)
BUL	12-9	0828	14755	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	12-9	1027	18515	Thu	Bulgarian diplo.	RFSM	(AB)
BUL	24-9	0831	14755	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	24-9	1023	18515	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	24-9	1224	16288	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	24-9	1257	18455	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	25-9	0825	14755	Wed	Bulgarian diplo.	RFSM	(AB)
BUL	25-9	1024	18515	Wed	Bulgarian diplo.	RFSM	(AB)
BUL	25-9	1258	18455	Wed	Bulgarian diplo.	RFSM	(AB)
BUL	26-9	0725	9375	Thu	Bulgarian diplo	RFSM	(AB)
BUL	26-9	0827	16285	Thu	Bulgarian diplo	RFSM	(AB)
BUL	26-9	0828	14755	Thu	Bulgarian diplo	RFSM	(AB)
DPRK	2-9	0719	13556	Mon	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	4-9	0630	16252	Wed	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	10-9	1200	14300	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	10-9	1200	16100	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	11-9	0807	16100	Wed	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	11-9	1403	17710	Wed	North Korean diplo	DPRK-ARQ LSB	(Priyom)
DPRK	12-9	0705	14200	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	12-9	0750	14300	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	13-9	1232	16252	Fri	North Korean diplo	DPRK-ARQ LSB	(Priyom)
DPRK	13-9	1301	16230	Fri	North Korean diplo. QSX 16252 kHz	DPRK-ARQ LSB	(Priyom)
DPRK	13-9	1301	16252	Fri	North Korean diplo. QSX 16230 kHz	DPRK-ARQ LSB	(Priyom)
DPRK	18-9	0720	13555	Wed	North Korean diplo	DPRK-ARQ LSB	(Priyom)
DPRK	18-9	1304	16100	Wed	North Korean diplo wkg 16252 kHz	DPRK-ARQ LSB	(Priyom)
DPRK	18-9	1317	13115	Wed	North Korean diplo	DPRK-ARQ LSB	(Priyom)
DPRK	24-9	1231	18650	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	25-9	1232	14300	Wed	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	26-9	0638	14540	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	26-9	0638	16252	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
E06	5-9	0500	14370	Thu	354 297 60 95711 59134 26025 ... 73625 34889 00500 297 60 00000	USB	(AB/HFD)
E06	5-9	0600	16265	Thu	354 297 60 95711 59134 26025 ... 73625 34889 00500 297 60 00000	USB	(AB/HFD)
E06	6-9	0500	14370	Fri	354 297 60 95711 59134 26025 ... 73625 34889 00500 297 60 00000	USB	(AB/Lac)
E06	6-9	0600	16265	Fri	354 297 60 95711 59134 26025 ... 73625 34889 00500 297 60 00000	USB	(AB/Lac/Subilo)
E06	19-9	0600	16265	Thu	354 281 60 92336 35157 98342 ... 41061 84245 49064 297 60 00000	USB	(Lac)
E06	20-9	0600	16265	Fri	354 281 60 92336 35157 98342 ... 41061 84245 49064 297 60 00000	USB	(Lac)
E07	3-9	1500	17452	Tue	428 428 428 1 147 99 147 99 51687 04112 75140 ... 27749 81403 19214 000 000	USB	(AB/Lac/HFD)
E07	3-9	1520	16272	Tue	428 428 428 1 147 99 147 99 51687 04112 75140 ... 27749 81403 19214 000 000	USB	(AB/Lac/HFD)
E07	3-9	1540	14875	Tue	428 428 428 1 147 99 147 99 51687 04112 75140 ... 27749 81403 19214 000 000	USB	(AB/Lac/Hfd)

E07	5-9	1410	16228	Thu	594 594 594 000	USB	(AB/HFD)
E07	5-9	1430	15928	Thu	594 594 594 000	USB	(AB/HFD)
E07	6-9	1500	17452	Fri	428 428 428 1 147 99 147 99 51687 04112 75140 ... 27749 81403 19214 000 000	USB	(AB)
E07	6-9	1520	16272	Fri	428 428 428 1 147 99 147 99 51687 04112 75140 ... 27749 81403 19214 000 000	USB	(AB)
E07	6-9	1540	14875	Fri	428 428 428 1 147 99 147 99 51687 04112 75140 ... 27749 81403 19214 000 000	USB	(AB)
E07	7-9	1410	16228	Sat	594 594 594 000	USB	(AB)
E07	7-9	1430	15928	Sat	594 594 594 000	USB	(AB)
E07	10-9	1500	17452	Tue	428 428 428 000	USB	(AB)
E07	10-9	1520	16272	Tue	428 428 428 000	USB	(AB)
E07	12-9	1410	16228	Thu	594 594 594 1 6358 93 6358 93 60874 13643 07483 ... 72218 92818 86922 000 000	USB	(AB/RL-HOL/Lac)
E07	12-9	1430	15928	Thu	594 594 594 1 6358 93 6358 93 60874 13643 07483 ... 72218 92818 86922 000 000	USB	(AB/RL-HOL/Lac)
E07	12-9	1450	14928	Thu	594 594 594 1 6358 93 6358 93 60874 13643 07483 ... 72218 92818 86922 000 000	USB	(AB/RL-HOL/Lac)
E07	13-9	1500	17452	Fri	428 428 428 000	USB	(Priyom)
E07	13-9	1520	16272	Fri	428 428 428 000	USB	(Priyom)
E07	14-9	1410	16228	Sat	594 1 6358 93 60874...	USB	(Priyom)
E07	14-9	1430	15928	Sat	594 1 6358 93 60874...	USB	(Priyom)
E07	14-9	1450	14928	Sat	594 1 6358 93 60874...	USB	(Priyom)
E07	17-9	1500	17452	Tue	428 1 249 169 11992 65828 94219 ... 06622 93140 05211 000 000	USB	(Lac)
E07	17-9	1520	16272	Tue	428 1 249 169 11992 65828 94219 ... 06622 93140 05211 000 000	USB	(Lac)
E07	19-9	1410	16228	Thu	594 594 594 000	USB	(AB/Lac/Priyom)
E07	19-9	1430	15928	Thu	594 594 594 000	USB	(AB/Priyom)
E07	20-9	1500	17452	Fri	428 1 249 169 11992 65828 94219 ... 06622 93140 05211 000 000	USB	(Priyom)
E07	20-9	1520	16272	Fri	428 1 249 169 11992 65828 94219 ... 06622 93140 05211 000 000	USB	(Priyom)
E07	21-9	1410	16228	Sat	594 594 594 000	USB	(AB/Priyom)
E07	21-9	1430	15928	Sat	594 594 594 000	USB	(AB/Priyom)
E07	24-9	1500	17452	Tue	428 428 428 000	USB	(AB/Priyom)
E07	24-9	1520	16272	Tue	428 428 428 000	USB	(AB)
E07	26-9	1410	16228	Thu	594 594 594 1 557 145 557 145 06993 12737 82932 ... 13364 43515 86199 000 000	USB	(AB/EW/Lac)
E07	26-9	1430	15928	Thu	594 594 594 1 557 145 557 145 06993 12737 82932 ... 13364 43515 86199 000 000	USB	(AB/Lac)
E07	26-9	1450	14928	Thu	594 594 594 1 557 145 557 145 06993 12737 82932 ... 13364 43515 86199 000 000	USB	(AB/Lac)
E07	27-9	1500	17452	Fri	428 428 428 000. Restart after 1m10s	USB	(AB)
E07	27-9	1520	16272	Fri	428 428 428 000	USB	(AB)
E07	28-9	1410	16228	Sat	594 594 594 1 557 145 557 145 06993 12737 82932 ... 13364 43515 86199 000 000	USB	(AB)
E07	28-9	1430	15928	Sat	594 594 594 1 557 145 557 145 06993 12737 82932 ... 13364 43515 86199 000 000	USB	(AB)
E07	28-9	1450	14928	Sat	594 594 594 1 557 145 557 145 06993 12737 82932 ... 13364 43515 86199 000 000	USB	(AB)
E11	1-9	0600	8680	Sun	352/00 Out	USB	(AB/HFD/Lac)
E11	1-9	0700	9079	Sun	495/00 Out	USB	(AB/HFD)
E11	1-9	1605	5176	Sun	235/00 Out	USB	(AB/HFD/Lac)
E11	1-9	1645	4505	Sun	369/00 Out	USB	(AB/HFD)
E11	1-9	1745	13470	Sun	249/00 Out	USB	(AB-CYP/HFD)
E11	1-9	1815	11116	Sun	927/00 Out	USB	(AB/HFD/Lac)
E11	1-9	1910	8530	Sun	616/00 Out	USB	(AB/HFD)

E11	1-9	2000	5737	Sun	520/00 Out	USB	(AB/HFD)
E11	2-9	0315	11420	Mon	259/00 Out	USB	(TM/HFD)
E11	2-9	0600	19515	Mon	942/00 Out	USB	(AB/HFD/Lac)
E11	2-9	0715	19515	Mon	753/00 Out	USB	(AB/HFD/Lac)
E11	2-9	0745	10213	Mon	260/00 Out	USB	(AB/HFD/Lac)
E11	2-9	0830	20170	Mon	184/00 Out	USB	(AB/HFD)
E11	2-9	0845	12202	Mon	710/00 Out	USB	(AB/HFD/Lac)
E11	2-9	0900	13117	Mon	535/00 Out	USB	(AB/HFD)
E11	2-9	1300	5371	Mon	314/00 Out	USB	(TM/Lac/HFD)
E11	2-9	1745	13470	Mon	244/00 Out	USB	(HFD/Lac)
E11	2-9	1900	7317	Mon	641/00 Out	USB	(AB/HFD/Lac)
E11	3-9	0620	13470	Tue	517/00 Out	USB	(PY/Lac/HFD)
E11	3-9	0700	8180	Tue	579/00 Out	USB	(AB/HFD/Lac)
E11	3-9	0715	15720	Tue	639/00 Out	USB	(AB/HFD)
E11	3-9	0745	14865	Tue	224/00 Out	USB	(AB/HFD)
E11	3-9	0845	18168	Tue	157/00 Out	USB	(AB/HFD/LAc)
E11	3-9	1000	9951	Tue	305/00 Out	USB	(AB/HFD)
E11	3-9	1205	9339	Tue	463/00 Out	USB	(AB/HFD/Lac)
E11	3-9	1230	12530	Tue	332/00 Out	USB	(AB/HFD/Lac)
E11	3-9	1430	14972	Tue	915/00 Out	USB	(AB/HFD/Lac)
E11	4-9	0600	19515	Wed	945/00 Out	USB	(AB-POL/Lac)
E11	4-9	0715	19515	Wed	752/00 Out	USB	(AB-POL/Lac)
E11	4-9	0845	12202	Wed	711/00 Out	USB	(AB)
E11	4-9	0900	13117	Wed	535/00 Out	USB	(AB/Lac)
E11	4-9	0930	6940	Wed	278/00 Out	USB	(AB)
E11	4-9	1205	9399	Wed	461/00 Out	USB	(AB)
E11	4-9	1610	4181	Wed	395/00 Out	USB	(AB/HFD)
E11	5-9	0645	13470	Thu	517/00 Out	USB	(AB/PY/Lac)
E11	5-9	0745	14865	Thu	225/00 Out	USB	(AB/Lac)
E11	5-9	0820	6807	Thu	435/00 Out	USB	(AB/HFD/Lac)
E11	5-9	0845	18168	Thu	155/00 Out	USB	(AB/Lac)
E11	5-9	0930	6940	Thu	271/00 Out	USB	(AB/HFD)
E11	5-9	1230	12530	Thu	337/00 Out	USB	(AB)
E11	5-9	1300	5371	Thu	310/00 Out	USB	(AB)
E11	5-9	1530	10330	Thu	268/00 Out	USB	(AB/HFD)
E11	5-9	1900	7317	Thu	648/00 Out	USB	(AB)
E11	6-9	0600	8680	Fri	353/00 Out	USB	(AB/Lac)
E11	6-9	0700	8180	Fri	575/00 Out	USB	(AB/Lac)
E11	6-9	0715	15720	Fri	634/00 Out	USB	(AB/Lac)
E11	6-9	0820	6807	Fri	430/00 Out	USB	(AB)
E11	6-9	0830	20170	Fri	184/00 Out	USB	(AB)
E11	6-9	1000	9951	Fri	300/00 Out	USB	(AB)

E11	6-9	1715	6923	Fri	975/00 Out	USB	(AB/HFD/Lac)
E11	6-9	1815	11116	Fri	926/00 Out	USB	(AB)
E11	7-9	0700	9079	Sat	495/00 Out	USB	(AB/Lac)
E11	7-9	1430	14972	Sat	911/00 Out	USB	(AB)
E11	7-9	1610	4181	Sat	394/00 Out	USB	(AB/Lac)
E11	8-9	0600	8680	Sun	355/00 Out	USB	(AB)
E11	8-9	0700	9079	Sun	492/00 Out	USB	(AB)
E11	8-9	1745	13470	Sun	244/00 Out	USB	(AB)
E11	8-9	1815	11116	Sun	922/00 Out	USB	(AB)
E11	8-9	2000	5737	Sun	520/00 Out	USB	(AB)
E11	9-9	0315	11420	Mon	251/00 Out	USB	(TM)
E11	9-9	0450	12385	Mon	413/00 Out	USB	(AB)
E11	9-9	0600	19515	Mon	942/00 Out	USB	(AB)
E11	9-9	0900	13117	Mon	530/00 Out	USB	(AB)
E11	9-9	1045	12385	Mon	697/00 Out	USB	(AB)
E11	9-9	1300	5371	Mon	315/00 Out	USB	(TM)
E11	9-9	1745	13470	Mon	240/00 Out	USB	(AB)
E11	10-9	0645	8423	Tue	519/00 Out	USB	(PY)
E11	10-9	0700	8180	Tue	570/00 Out	USB	(AB)
E11	10-9	0715	15720	Tue	631/00 Out	USB	(AB)
E11	10-9	0820	19184	Tue	133/00 Out	USB	(AB)
E11	10-9	0845	18168	Tue	152/00 Out	USB	(AB)
E11	10-9	1205	9339	Tue	462/00 Out	USB	(AB)
E11	10-9	1230	12530	Tue	338/00 Out	USB	(AB)
E11	10-9	1430	14972	Tue	914/00 Out	USB	(AB)
E11	10-9	1605	5176	Tue	236/00 Out	USB	(AB-POL)
E11	11-9	0315	11420	Wed	256/00 Out	USB	(TM)
E11	11-9	0600	19515	Wed	949/00 Out	USB	(AB-POL)
E11	11-9	0745	17410	Wed	346/00 Out	USB	(AB-POL/Lac)
E11	11-9	0820	19184	Wed	132/00 Out	USB	(AB/Lac)
E11	11-9	0900	13117	Wed	534/00 Out	USB	(AB/Lac)
E11	11-9	0930	6940	Wed	278/00 Out	USB	(AB/Lac)
E11	11-9	1045	12385	Wed	698/00 Out	USB	(AB)
E11	11-9	1205	9399	Wed	465/00 Out	USB	(AB)
E11	11-9	1610	4181	Wed	394/00 Out	USB	(AB)
E11	12-9	0645	8423	Thu	514/00 Out	USB	(PY)
E11	12-9	0820	6807	Thu	439/00 Out	USB	(AB)
E11	12-9	0845	18168	Thu	154/00 Out	USB	(AB/Lac)
E11	12-9	0930	6940	Thu	277/00 Out	USB	(AB/Lac)
E11	12-9	1230	12530	Thu	334/00 Out	USB	(AB)
E11	12-9	1300	5371	Thu	311/00 Out	USB	(AB-POL)
E11	12-9	1730	12385	Thu	411/00 Out	USB	(AB)

E11	13-9	0600	8680	Fri	353/00 Out	USB	(Priyom)
E11	13-9	0700	8180	Fri	571/00 Out	USB	(Priyom)
E11	13-9	0715	15720	Fri	637/00 Out	USB	(Priyom)
E11	13-9	0745	17410	Fri	349/00 Out	USB	(Lac)
E11	13-9	0820	6807	Fri	431/00 Out	USB	(Lac)
E11	13-9	1815	11116	Fri	922/00 Out	USB	(AB)
E11	13-9	1910	8530	Fri	617/00 Out	USB	(AB/Priyom)
E11	14-9	0700	9079	Sat	497/00 Out	USB	(AB/Priyom)
E11	14-9	1430	14972	Sat	918/00 Out	USB	(Priyom)
E11	14-9	1610	4181	Sat	391/00 Out	USB	(Rycat)
E11	14-9	1645	4505	Sat	368/00 Out	USB	(Rycat)
E11	15-9	0600	8680	Sun	354/00 Out	USB	(AB/Priyom)
E11	15-9	0700	9079	Sun	498/00 Out	USB	(AB)
E11	15-9	1605	5176	Sun	231/00 Out	USB	(Priyom)
E11	15-9	1645	4505	Sun	364/00 Out	USB	(Priyom)
E11	15-9	1745	13470	Sun	248/00 Out	USB	(AB/Prac)
E11	15-9	1815	11116	Sun	924/00 Out	USB	(AB/Prac)
E11	15-9	1910	8530	Sun	611/00 Out	USB	(AB/Rycat)
E11	15-9	2000	5737	Sun	524/00 Out	USB	(AB/Rycat)
E11	16-9	0315	11420	Mon	259/00 Out	USB	(Subilo)
E11	16-9	0450	5371	Mon	416/00 Out	USB	(HFD/Priyom/Subilo)
E11	16-9	0715	19515	Mon	751/00 Out	USB	(AB/Lac/Priyom)
E11	16-9	0745	10213	Mon	264/00 Out	USB	(AB/Priyom)
E11	16-9	0830	20170	Mon	188/00 Out	USB	(Priyom)
E11	16-9	0845	12202	Mon	713/00 Out	USB	(Priyom)
E11	16-9	1045	12385	Mon	692/00 Out	USB	(Priyom)
E11	16-9	1300	5371	Mon	316/00 Out	USB	(Priyom)
E11	16-9	1900	7317	Mon	649/00 Out	USB	(AB/Priyom)
E11	17-9	0700	8180	Tue	575/00 Out	USB	(AB/Lac)
E11	17-9	0715	15720	Tue	630/00 Out	USB	(AB/Lac/Priyom)
E11	17-9	0745	14865	Tue	228/00 Out	USB	(AB/Lac)
E11	17-9	0820	19184	Tue	132/00 Out	USB	(AB/HFD)
E11	17-9	0820	19184	Tue	134/00 Out	USB	(Lac)
E11	17-9	0845	18168	Tue	154/00 Out	USB	(AB/Lac)
E11	17-9	1000	9951	Tue	308/00 Out	USB	(Lac)
E11	17-9	1205	9399	Tue	466/00 Out	USB	(Lac)
E11	17-9	1430	14972	Tue	918/00 Out	USB	(Lac)
E11	17-9	1605	5176	Tue	236/00 Out	USB	(AB-POL/Priyom)
E11	18-9	0315	11420	Wed	259/00 Out	USB	(Priyom)
E11	18-9	0715	19515	Wed	757/00 Out	USB	(Lac)
E11	18-9	0745	17410	Wed	342/00 Out	USB	(Priyom)
E11	18-9	0820	19184	Wed	132/00 Out	USB	(Lac)

E11	18-9	0845	12202	Wed	718/00 Out	USB	(Lac)
E11	18-9	1045	12385	Wed	691/00 Out	USB	(Lac)
E11	18-9	1205	9399	Wed	460/00 Out	USB	(Priyom)
E11	18-9	1715	6923	Wed	974/00 Out	USB	(AB/Priyom)
E11	19-9	0450	12385	Thu	410/00 Out	USB	(PY)
E11	19-9	0745	14865	Thu	220/00 Out	USB	(AB/Lac)
E11	19-9	0820	6807	Thu	432/00 Out	USB	(AB/Lac)
E11	19-9	0845	18168	Thu	154/00 Out	USB	(AB/Lac)
E11	19-9	1300	5371	Thu	310/00 Out	USB	(Lac)
E11	19-9	1530	10330	Thu	268/00 Out	USB	(AB/Priyom)
E11	19-9	1730	12385	Thu	410/00 Out	USB	(AB/Priyom)
E11	19-9	1900	7317	Thu	643/00 Out	USB	(AB/Lac)
E11	19-9	2000	5737	Thu	521/00 Out	USB	(Lac)
E11	20-9	0700	8180	Fri	575/00 Out	USB	(Lac)
E11	20-9	0700	9079	Fri	492/00 Out	USB	(Lac)
E11	20-9	0700	8180	Fri	575/00 Out	USB	(Priyom)
E11	20-9	0715	15720	Fri	639/00 Out	USB	(Lac)
E11	20-9	0745	17410	Fri	344/00 Out	USB	(Priyom)
E11	20-9	0820	6807	Fri	430/00 Out	USB	(Priyom)
E11	20-9	0830	20170	Fri	188/00 Out	USB	(Priyom)
E11	20-9	1000	9951	Fri	307/00 Out	USB	(Priyom)
E11	20-9	1715	6923	Fri	977/00 Out	USB	(Cicero)
E11	20-9	1815	11116	Fri	922/00 Out	USB	(AB/Priyom)
E11	20-9	1910	8530	Fri	616/00 Out	USB	(AB/AVX)
E11	21-9	1430	14972	Sat	919/00 Out	USB	(AB/Cicero)
E11	21-9	1645	4505	Sat	365/00 Out	USB	(AB/Subilo)
E11	22-9	0700	9079	Sun	498/00 Out	USB	(AB/Subilo)
E11	22-9	1605	5176	Sun	236/00 Out	USB	(AB-POL/Priyom)
E11	22-9	1645	4505	Sun	360/00 Out	USB	(AB/Rycat)
E11	22-9	1815	11116	Sun	929/00 Out	USB	(AB/Priyom)
E11	22-9	1910	8530	Sun	610/00 Out	USB	(AB/Priyom)
E11	22-9	2000	5737	Sun	525/00 Out	USB	(AB/Priyom)
E11	23-9	0450	12385	Mon	414/00 Out	USB	(AB/Subilo)
E11	23-9	0600	19515	Mon	941/00 Out	USB	(Priyom)
E11	23-9	0715	19515	Mon	750/00 Out	USB	(AB/Lac)
E11	23-9	0745	10213	Mon	264/00 Out	USB	(AB)
E11	23-9	0830	20170	Mon	181/00 Out	USB	(AB)
E11	23-9	0845	12202	Mon	713/00 Out	USB	(AB/Priyom)
E11	23-9	0900	13117	Mon	538/00 Out	USB	(AB/Lac)
E11	23-9	1045	12385	Mon	697/00 Out	USB	(Priyom)
E11	23-9	1745	13470	Mon	245/00 Out	USB	(Subilo)
E11	23-9	1900	7317	Mon	644/00 Out	USB	(AB/Rycat)

E11	24-9	0645	8423	Tue	515/00 Out	USB	(AB/PY/Lac)
E11	24-9	0745	14865	Tue	220/00 Out	USB	(AB/Priyom)
E11	24-9	0820	19184	Tue	136/00 Out	USB	(AB)
E11	24-9	1000	9951	Tue	308/00 Out	USB	(AB/Max)
E11	24-9	1230	12530	Tue	333/00 Out	USB	(AB/Lac)
E11	24-9	1605	5176	Tue	230/00 Out	USB	(AB/Prac)
E11	25-9	0600	19515	Wed	944/00 Out	USB	(AB-POL)
E11	25-9	0715	19515	Wed	757/00 Out	USB	(AB-POL/Lac)
E11	25-9	0745	17410	Wed	349/00 Out	USB	(AB-POL/Lac)
E11	25-9	0820	19184	Wed	136/00 Out	USB	(AB)
E11	25-9	0845	12202	Wed	714/00 Out	USB	(AB)
E11	25-9	0900	13117	Wed	538/00 Out	USB	(AB)
E11	25-9	0930	6940	Wed	271/00 Out	USB	(AB)
E11	25-9	1045	12385	Wed	692/00 Out	USB	(AB)
E11	25-9	1610	4181	Wed	393/00 Out	USB	(AB)
E11	25-9	1715	6923	Wed	974/00 Out	USB	(AB)
E11	26-9	0450	12385	Thu	414/00 Out	USB	(PY)
E11	26-9	0645	8423	Thu	517/00 Out	USB	(AB)
E11	26-9	0745	14865	Thu	223/00 Out	USB	(AB)
E11	26-9	0930	6940	Thu	279/00 Out	USB	(AB)
E11	26-9	1230	12530	Thu	338/00 Out	USB	(AB)
E11	27-9	0600	8680	Fri	359/00 Out	USB	(TM)
E11	27-9	0745	17410	Fri	347/00 Out (tentative, weak)	USB	(TM)
E11	27-9	0830	20170	Fri	185/00 Out	USB	(AB)
E11	27-9	1000	9951	Fri	309/00 Out	USB	(TM)
E11	27-9	1715	6923	Fri	975/00 Out	USB	(AB)
E11	27-9	1910	8530	Fri	617/00 Out	USB	(AB/Lac)
E11	28-9	1610	4181	Sat	396/00 Out	USB	(AB)
E11	28-9	1645	4505	Sat	365/00 Out	USB	(AB)
E11	29-9	0600	8680	Sun	350/00 Out	USB	(AB)
E11	29-9	1605	5176	Sun	236/00 Out	USB	(AB)
E11	29-9	1645	4505	Sun	360/00 Out	USB	(AB)
E11	29-9	1745	13470	Sun	242/00 Out	USB	(AB)
E11	29-9	1910	8530	Sun	610/00 Out	USB	(AB)
E11	30-9	0315	11420	Mon	253/00 Out	USB	(TM)
E11	30-9	0450	12385	Mon	414/00 Out	USB	(AB/Subilo)
E11	30-9	0600	19515	Mon	948/00 Out	USB	(AB/Lac)
E11	30-9	0715	19515	Mon	753/00 Out	USB	(AB/Lac)
E11	30-9	0745	10213	Mon	269/00 Out	USB	(AB)
E11	30-9	0830	20170	Mon	185/00 Out	USB	(AB/Lac)
E11	30-9	0845	12202	Mon	711/00 Out	USB	(AB/Lac)
E11	30-9	0900	13117	Mon	533/00 Out	USB	(AB/Lac)

E11	30-9	1045	12385	Mon	691/00 Out	USB	(AB/Lac)
E11	30-9	1300	5371	Mon	311/00 Out	USB	(AB/Lac)
E11	30-9	1745	13470	Mon	247/00 Out	USB	(AB)
E11	30-9	1900	7317	Mon	643/00 Out	USB	(AB)
E11a	2-9	0450	12385	Mon	414/32 Attention 81627 21391 65283 ... 38888 93215 09429 Att (msg rptd) Out	USB	(PY)
E11a	2-9	1045	12385	Mon	693/29 Attention 61006 99066 91585 ... 16111 90767 50711 Att (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	3-9	0820	19184	Tue	138/38 Attention 95277 63348 91299 ... 49067 58737 09067 Att (msg rptd) Out	USB	(AB/Lac)
E11a	3-9	1605	5176	Tue	233/39 Attention 65034 25553 94463 ... 88791 22565 37550 Att (msg rptd) Out	USB	(AB-POL)
E11a	4-9	0745	17410	Wed	343/40 Attention 89469 04128 96893 ... 43087 43978 06453 Att (msg rptd) Out	USB	(Ab-POL)
E11a	4-9	0820	19184	Wed	138/38 Attention 95277 63348 91299 ... 49067 58737 09067 Att (msg rptd) Out	USB	(AB)
E11a	4-9	1045	12385	Wed	693/29 Attention 61006 99066 91585 ... 16111 90767 50711 Att (msg rptd) Out	USB	(AB)
E11a	5-9	1730	12385	Thu	414/32 Attention 81627 21391 65283 ... 38888 93215 09429 Att (msg rptd) Out	USB	(AB/HFD)
E11a	6-9	0745	17410	Fri	343/40 Attention 89469 04128 96893 ... 43087 43978 06453 Att (msg rptd) Out	USB	(Ab-POL/HFD)
E11a	6-9	1910	8530	Fri	616/37 Attention 94199 82295 48965 ... 40195 99480 81996 Att (msg rptd) Out	USB	(AB/Lac)
E11a	7-9	1645	4505	Sat	364/35 Attention 88947 51743 15073 ... 32321 65404 22607 Att (msg rptd) Out	USB	(AB/Lac)
E11a	8-9	1605	5176	Sun	233/39 Attention 65034 25553 94463 ... 88791 22565 37550 Att (msg rptd) Out	USB	(AB)
E11a	8-9	1645	4505	Sun	364/35 Attention 88947 51743 15073 ... 32321 65404 22607 Att (msg rptd) Out	USB	(AB)
E11a	8-9	1910	8530	Sun	616/37 Attention 94199 82295 48965 ... 40195 99480 81996 Att (msg rptd) Out	USB	(AB)
E11a	9-9	0715	19515	Mon	753/35 Attention 74337 45594 95788 ... 35921 72639 97261 Att (msg rptd) Out	USB	(AB)
E11a	9-9	0745	10213	Mon	267/38 Attention 76481 11442 58895 ... 22423 40423 23639 Att (msg rptd) Out	USB	(AB)
E11a	9-9	0830	20170	Mon	185/27 Attention 16027 59928 43428 ... 92794 23373 15283 Att (msg rptd) Out	USB	(AB)
E11a	9-9	0845	12202	Mon	716/36 Attention 17929 16203 29205 ... 54263 57760 13954 Att (msg rptd) Out	USB	(AB)
E11a	9-9	1900	7317	Mon	649/40 Attention 49237 68804 45668 ... 90076 55812 44793 Att (msg rptd) Out	USB	(AB)
E11a	10-9	0745	14865	Tue	220/35 Attention 39509 51951 46961 ... 75484 41733 37772 Att (msg rptd) Out	USB	(AB)
E11a	10-9	1000	9951	Tue	300/25 Attention 26350 64463 87954 ... 73131 24214 28291 Att (msg rptd) Out	USB	(AB)
E11a	11-9	0715	19515	Wed	753/35 Attention 74337 45594 95788 ... 35921 72639 97261 Att (msg rptd) Out	USB	(AB-POL/Lac)
E11a	11-9	0845	12202	Wed	716/36 Attention 17929 16203 29205 ... 54263 57760 13954 Att (msg rptd) Out	USB	(AB/Lac)
E11a	11-9	1715	6923	Wed	977/32 Attention 83685 90900 04888 ... 87955 25276 77185 Att (msg rptd) Out	USB	(AB/RL-HOL)
E11a	12-9	0745	14865	Thu	220/35 Attention 39509 51951 46961 ... 75484 41733 37772 Att (msg rptd) Out	USB	(AB/Lac)
E11a	12-9	1530	10330	Thu	267/38 Attention 76481 11442 58895 ... 22423 40423 23639 Att (msg rptd) Out	USB	(AB/RL-HOL)
E11a	12-9	1900	7317	Thu	649/40 Attention 49237 68804 45668 ... 90076 55812 44793 Att (msg rptd) Out	USB	(AB)
E11a	13-9	0830	20170	Fri	185/27 Attention 16027 59928 43428 ... 92794 23373 15283 Att (msg rptd) Out	USB	(Lac)
E11a	13-9	1000	9951	Fri	300/25 Attention 26350 64463 87954 ... 73131 24214 28291 Att (msg rptd) Out	USB	(Lac)
E11a	13-9	1715	6923	Fri	977/32 Attention 83685 90900 04888 ... 87955 25276 77185 Att (msg rptd) Out	USB	(Priyom)
E11a	16-9	0600	19515	Mon	941/39 Attention 58672 09649 20691 ... 17713 59282 18852 Att (msg rptd) Out	USB	(AB/Lac)
E11a	16-9	0900	13117	Mon	535/31 Attention 24741 33650 41565 ... 71486 91800 30844 Att (msg rptd) Out	USB	(Lac)
E11a	16-9	1745	13470	Mon	245/40 Attention 93641 64929 6458 ,,,	USB	(Priyom)
E11a	17-9	0645	8423	Tue	515/35 Attention 75952 66482 87965 ... 88181 98920 02733 Att (msg rptd) Out	USB	(Lac)
E11a	17-9	1230	12530	Tue	338/34 Attention ...	USB	(Lac)
E11a	18-9	0600	19515	Wed	941/39 Attention 58672 09649 20691 ... 17713 59282 18852 Att (msg rptd) Out	USB	(Lac)
E11a	18-9	0900	13117	Wed	535/31 Attention 24741 33650 41565 ... 71486 91800 30844 Att (msg rptd) Out	USB	(Lac)
E11a	18-9	0930	6940	Wed	276/34 Attention 45505 36899 18567 ... 75608 01433 71951 Att (msg rptd) Out	USB	(Lac)

E11a	18-9	1610	4181	Wed	396/34 Attention 21636 81381 53980 ... 58004 10128 34549 Att (msg rptd) Out	USB	(RWRV)
E11a	19-9	0645	8423	Thu	515/35 Attention 75952 66482 87965 ... 88181 98920 02733 Att (msg rptd) Out	USB	(Lac)
E11a	19-9	0930	6940	Thu	267/34 Attention 45505 36899 18567 ... 75608 01433 71951 Att (msg rptd) Out	USB	(AB-POL)
E11a	19-9	0930	6940	Thu	276/34 Attention 45505 36899 18567 ... 75608 01433 71951 Att (msg rptd) Out	USB	(Lac)
E11a	19-9	1230	12530	Thu	338/34 Attention ...	USB	(AB)
E11a	20-9	0600	8680	Fri	353/30 Attention 56520 84578 13065 ... 82126 70122 86860 Att (msg rptd) Out	USB	(Lac)
E11a	21-9	1610	4181	Sat	396/34 Attention 21636 81381 53980 ... 58004 10128 34549 Att (msg rptd) Out	USB	(AB/Rycat)
E11a	22-9	0600	8680	Sun	353/30 Attention 56520 84578 13065 ... 82126 70122 86860 Att (msg rptd) Out	USB	(AB/Subilo)
E11a	22-9	1745	13470	Sun	245/40 Attention 93641 64929 64581 ... 15979 27563 07558 Att (msg rptd) Out	USB	(AB/RWRV)
E11a	23-9	0315	11420	Mon	259/33 Attention 39862 10376 71192 ... 14902 59209 56294 Att (msg rptd) Out	USB	(AB)
E11a	23-9	1300	5371	Mon	316/37 Attention 47626 13836 51340 ... 98973 12178 12242 Att (msg rptd) Out	USB	(Priyom)
E11a	24-9	0700	8180	Tue	570/38 Attention 47625 50229 61619 ... 79073 24819 68853 Att (msg rptd) Out	USB	(AB/Max)
E11a	24-9	0715	15720	Tue	633/38 Attention 44314 32472 69779 ... 96952 08310 58247 Att (msg rptd) Out	USB	(AB/Lac)
E11a	24-9	0845	18168	Tue	156/27 Attention 30778 67098 58582 ... 76300 86415 21305 Att (msg rptd) Out	USB	(AB/Lac)
E11a	24-9	1205	9399	Tue	469/33 Attention 82597 55596 22085 ... 02318 16432 62550 Att (msg rptd) Out	USB	(AB/Priyom)
E11a	24-9	1430	14972	Tue	912/32 Attention 57186 77358 00607 ... 57734 78912 87405 Att (msg rptd) Out	USB	(AB/Lac)
E11a	25-9	0315	11420	Wed	259/33 Attention 39862 10376 71192 ... 14902 59209 56294 Att (msg rptd) Out	USB	(TM)
E11a	25-9	1205	9399	Wed	469/33 Attention 82597 55596 22085 ... 02318 16432 62550 Att (msg rptd) Out	USB	(AB)
E11a	26-9	0820	6807	Thu	432/31 Attention 70545 44702 92592 ... 70923 67545 38194 Att (msg rptd) Out	USB	(AB/Lac)
E11a	26-9	0845	18168	Thu	156/27 Attention 30778 67098 58582 ... 76300 86415 21305 Att (msg rptd) Out	USB	(AB)
E11a	26-9	2000	5737	Thu	521/32 Attention 85838 65948 21862 ... 35430 72651 16085 Att (msg rptd) Out	USB	(Lac)
E11a	27-9	0700	8180	Fri	570/38 Attention 47625 50229 61619 ... 79073 24819 68853 Att (msg rptd) Out	USB	(Lac)
E11a	27-9	0715	15720	Fri	633/38 Attention 44314 32472 69779 ... 96952 08310 58247 Att (msg rptd) Out	USB	(Lac)
E11a	27-9	0820	6807	Fri	432/31 Attention 70545 44702 92592 ... 70923 67545 38194 Att (msg rptd) Out	USB	(TM)
E11a	27-9	1815	11116	Fri	920/36 Attention 61219 29941 80006 ... 51590 31056 41623 Att (msg rptd) Out	USB	(AB/Lac)
E11a	28-9	0700	9079	Sat	497/36 Attention 46234 14176 73206 ... 61965 95963 10442 Att (msg rptd) Out	USB	(AB)
E11a	28-9	1430	14972	Sat	912/32 Attention 57186 77358 00607 ... 57734 78912 87405 Att (msg rptd) Out	USB	(AB/Lac)
E11a	29-9	0700	9079	Sun	497/36 Attention 46234 14176 73206 ... 61965 95963 10442 Att (msg rptd) Out	USB	(AB)
E11a	29-9	1815	11116	Sun	920/36 Attention 61219 29941 80006 ... 51590 31056 41623 Att (msg rptd) Out	USB	(AB/Lac)
E11a	29-9	2000	5737	Sun	521/32 Attention 85838 65948 21862 ... 35430 72651 16085 Att (msg rptd) Out	USB	(AB/Lac)
EGY	13-9	0814	17415	Fri	MFA Cairo message to Egyptian embassy London		(Priyom)
EGY	15-9	0758	20860	Sun	MFA Cairo message to Egyptian embassy Addis Ababa		(Priyom)
F01	2-9	0240	11538	Mon	Message 02 (which is actually the date, not the message nr)	FSK 200/500	(PY)
F01	2-9	0250	10614	Mon	Message 02 (which is actually the date, not the message nr)	FSK 200/500	(PY)
F01	2-9	1015	9128	Mon	Message 33	FSK 200/500	(AB-RUS)
F01	2-9	1025	7546	Mon	Not Heard	FSK 200/500	(AB-RUS)
F01	2-9	1035	5113	Mon	Not heard	FSK 200/500	(AB-RUS)
F01	3-9	0230	13370	Tue	Message 02 (which is actually the date, not the message nr)	FSK 200/500	(PY)
F01	3-9	0240	11538	Tue	Message 02 (which is actually the date, not the message nr)	FSK 200/500	(PY)
F01	3-9	0250	10614	Tue	Message 02 (which is actually the date, not the message nr)	FSK 200/500	(PY)
F01	3-9	1015	9128	Tue	Messages 34 and 35	FSK 200/500	(AB-RUS/HFD)
F01	3-9	1025	7546	Tue	Messages 34 and 35	FSK 200/500	(AB-RUS/HFD-RUS)

F01	3-9	1035	5113	Tue	Messages 34 and 35	FSK 200/500	(AB-RUS)
F01	4-9	0230	13370	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	4-9	0240	13370	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	4-9	0250	11538	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	4-9	1015	9128	Wed	Too weak to decode	FSK 200/500	(AB-RUS)
F01	4-9	1025	7546	Wed	Too weak to decode	FSK 200/500	(AB-RUS)
F01	4-9	1035	5113	Wed	Too weak to decode	FSK 200/500	(AB-RUS)
F01	4-9	1840	13467	Wed	00000 +++++ +++++	FSK 200/1000	(AB/HFD)
F01	4-9	1850	11084	Wed	00000 +++++ +++++	FSK 200/1000	(AB/HFD)
F01	4-9	1900	9052	Wed	00000 +++++ +++++	FSK 200/1000	(AB/HFD)
F01	5-9	0230	13370	Thu	Message 95. Wrong 1000Hz shift	FSK 200/1000	(PY)
F01	5-9	0240	11538	Thu	Message 95. Wrong 1000Hz shift	FSK 200/1000	(PY)
F01	5-9	0250	10614	Thu	Message 95. Wrong 1000Hz shift	FSK 200/1000	(PY)
F01	5-9	1015	9128	Thu	Messages 37 and 38	FSK 200/500	(AB-RUS)
F01	5-9	1025	7546	Thu	Messages 37 and 38	FSK 200/500	(AB-RUS)
F01	5-9	1035	5113	Thu	Messages 37 and 38	FSK 200/500	(AB-RUS)
F01	6-9	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	6-9	1015	9128	Fri	00000 +++++	FSK 200/500	(AB)
F01	6-9	1025	7546	Fri	00000 +++++	FSK 200/500	(AB-RUS)
F01	6-9	1035	5113	Fri	00000 +++++	FSK 200/500	(AB-RUS)
F01	9-9	0230	13370	Mon	Messages 96 and 97. Wrong 1000Hz shift	FSK 200/1000	(PY)
F01	9-9	0240	11538	Mon	Messages 96 and 97. Wrong 1000Hz shift	FSK 200/1000	(PY)
F01	9-9	0250	10614	Mon	Messages 96 and 97. Wrong 1000Hz shift	FSK 200/1000	(PY)
F01	9-9	1015	9128	Mon	Too weak to copy	FSK 200/500	(AB)
F01	9-9	1025	7546	Mon	Too weak to copy	FSK 200/500	(AB)
F01	9-9	1035	5113	Mon	Too weak to copy	FSK 200/500	(AB)
F01	10-9	0230	13370	Tue	Messages 96 and 97	FSK 200/500	(PY)
F01	10-9	0240	11538	Tue	Messages 96 and 97	FSK 200/500	(PY)
F01	10-9	0250	10614	Tue	Messages 96 and 97	FSK 200/500	(PY)
F01	10-9	1015	9128	Tue	Two messages. Too weak to decode	FSK 200/500	(AB-RUS)
F01	10-9	1025	7546	Tue	Two messages. Too weak to decode	FSK 200/500	(AB-RUS)
F01	10-9	1035	5113	Tue	Two messages. Too weak to decode	FSK 200/500	(AB-RUS)
F01	11-9	0230	13370	Wed	Not heard	FSK 200/500	(PY)
F01	11-9	0240	11538	Wed	Too weak to decode	FSK 200/500	(PY)
F01	11-9	0250	10614	Wed	Too weak to decode	FSK 200/500	(PY)
F01	12-9	0230	13370	Thu	Message 98	FSK 200/500	(PY)
F01	12-9	0240	11538	Thu	Message 98	FSK 200/500	(PY)
F01	12-9	0250	10614	Thu	Message 98	FSK 200/500	(PY)
F01	12-9	1015	9128	Thu	Messages 43 and 44	FSK 200/500	(AB-RUS)
F01	12-9	1025	7546	Thu	Messages 43 and 44	FSK 200/500	(AB-RUS)
F01	12-9	1035	5113	Thu	Messages 43 and 44	FSK 200/500	(AB-RUS)
F01	13-9	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)

F01	13-9	1015	9128	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	13-9	1015	9128	Fri	00000 +++++ +++++ wrong 1000Hz shift	FSK 200/1000	(PY)
F01	13-9	1025	7546	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	13-9	1025	7546	Fri	00000 +++++ +++++ wrong 1000Hz shift	FSK 200/1000	(PY)
F01	13-9	2230	20618	Fri	Russian diplo/intel.	FSK 200/500	(Rycat)
F01	13-9	2330	20618	Fri	Russian diplo/intel.	FSK 200/500	(Rycat)
F01	16-9	0230	13370	Mon	Messages 01 and 99	FSK 200/500	(PY)
F01	16-9	0240	11538	Mon	Messages 01 and 99	FSK 200/500	(PY)
F01	16-9	0250	10614	Mon	Messages 01 and 99	FSK 200/500	(PY)
F01	16-9	1015	9128	Mon	Message 45	FSK 200/500	(PY)
F01	17-9	0230	13370	Tue	Messages 01 and 99	FSK 200/500	(PY)
F01	17-9	0240	11538	Tue	Messages 01 and 99	FSK 200/500	(PY)
F01	17-9	0250	10614	Tue	Messages 01 and 99	FSK 200/500	(PY)
F01	17-9	1015	9128	Tue	Messages 46 and 47	FSK 200/500	(PY)
F01	17-9	1025	7546	Tue	Messages 46 and 47	FSK 200/500	(PY)
F01	17-9	1035	5113	Tue	Messages 46 and 47	FSK 200/500	(PY)
F01	18-9	0230	13370	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	18-9	0240	11538	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	18-9	0250	10614	Wed	+++++ +++++ +++++	FSK 200/500	(PY)
F01	18-9	1015	9128	Wed	Message 48	FSK 200/500	(PY)
F01	18-9	1025	7546	Wed	Message 48	FSK 200/500	(PY)
F01	18-9	1035	5113	Wed	Message 48	FSK 200/500	(PY)
F01	18-9	1435	5913	Wed	Message 16. Interruptions in modulation	FSK 200/500	(Pof)
F01	18-9	1445	7992	Wed	Message 16. Interruptions in modulation	FSK 200/500	(Pof)
F01	18-9	1455	11611	Wed	Message 16. Interruptions in modulation	FSK 200/500	(Pof)
F01	19-9	1015	9128	Thu	Messages 49 and 50	FSK 200/500	(AB-RUS/PY)
F01	19-9	1025	7546	Thu	Messages 49 and 50	FSK 200/500	(AB-RUS/PY)
F01	19-9	1035	5113	Thu	Messages 49 and 50	FSK 200/500	(AB-RUS/PY)
F01	20-9	0230	13370	Fri	+++++ +++++ +++++00000 +++++ +++++	FSK 200/500	(PY)
F01	20-9	2230	20618	Fri	Russian diplo/intel.	FSK 200/500	(Rycat)
F01	23-9	0230	13370	Mon	Message 04	FSK 200/500	(PY)
F01	23-9	0240	11538	Mon	Message 04	FSK 200/500	(PY)
F01	23-9	0250	10614	Mon	Message 04	FSK 200/500	(PY)
F01	23-9	1015	9128	Mon	Message 51	FSK 200/500	(PY)
F01	23-9	1025	7546	Mon	Message 51	FSK 200/500	(PY)
F01	24-9	0230	13370	Tue	Message 04	FSK 200/500	(PY)
F01	24-9	0240	11538	Tue	Message 04	FSK 200/500	(PY)
F01	24-9	0250	10614	Tue	Message 04	FSK 200/500	(PY)
F01	24-9	1015	9128	Tue	Two messages. Too weak to decode	FSK 200/500	(AB-HNG)
F01	24-9	1025	7546	Tue	Two messages. Too weak to decode	FSK 200/500	(AB-HNG)
F01	24-9	1035	5113	Tue	Two messages. Too weak to decode	FSK 200/500	(AB-HNG)
F01	25-9	0240	11538	Wed	Message 05	FSK 200/500	(PY)

F01	25-9	0250	11538	Wed	Message 05 transmission retuned to 10614 kHz at 0254z	FSK 200/500	(PY)
F01	25-9	0254	10614	Wed	Message 05	FSK 200/500	(PY)
F01	25-9	1015	9128	Wed	Message 54	FSK 200/500	(AB-FIN)
F01	25-9	1025	7546	Wed	Message 54	FSK 200/500	(AB-FIN)
F01	25-9	1035	5113	Wed	Not heard	FSK 200/500	(AB-RUS)
F01	26-9	0230	13370	Thu	Message 05	FSK 200/500	(PY)
F01	26-9	0240	11538	Thu	Message 05	FSK 200/500	(PY)
F01	26-9	0250	10614	Thu	Message 05	FSK 200/500	(PY)
F01	26-9	1015	9128	Thu	Messages 55 and 56	FSK 200/500	(AB-FIN)
F01	26-9	1025	7546	Thu	Messages 55 and 56	FSK 200/500	(AB-FIN)
F01	26-9	1035	5113	Thu	Messages 55 and 56	FSK 200/500	(AB-FIN)
F01	27-9	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	27-9	1015	9128	Fri	00000 +++++	FSK 200/500	(TM)
F01	27-9	1025	7546	Fri	00000 +++++	FSK 200/500	(TM)
F01	27-9	1035	5113	Fri	00000 +++++	FSK 200/500	(TM)
F01	30-9	0230	13370	Mon	Messages 06 and 07	FSK 200/500	(PY)
F01	30-9	0240	11538	Mon	Messages 06 and 07	FSK 200/500	(PY)
F01	30-9	0250	10614	Mon	Messages 06 and 07	FSK 200/500	(PY)
F01	30-9	1015	9128	Mon	Message 57	FSK 200/500	(AB)
F01	30-9	1025	7546	Mon	Message 57	FSK 200/500	(AB)
F01	30-9	1035	5113	Mon	Message 57	FSK 200/500	(AB)
F02	5-9	0651	20058	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	5-9	0830	16353	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	5-9	0835	16353	Thu	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	16-9	1351	9051	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(Pof)
F02	18-9	1014	5080	Wed	Russian domestic net	MFSK-4/150Bd/4000Hz	(Pof)
F03j	2-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	2-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	2-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	2-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	3-9	0615	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	3-9	0620	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	3-9	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-9	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-9	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-9	0535	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	5-9	0615	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	5-9	0620	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0800	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0800	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0810	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-9	0815	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	9-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	9-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	9-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	10-9	0620	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	10-9	0720	13117	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	10-9	0725	13117	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	10-9	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-9	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-9	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-9	0535	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-9	0615	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	12-9	0620	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	12-9	0720	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	12-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-9	0800	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	13-9	0810	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	13-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	16-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	16-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	16-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	16-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-9	0615	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	17-9	0620	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	17-9	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-9	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	18-9	0430	23060	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	18-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)

F03j	18-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	19-9	0615	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	19-9	0615	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	19-9	0620	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	19-9	0620	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	19-9	0720	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	19-9	0725	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	19-9	0800	6986	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	19-9	0805	6986	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	19-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-9	0800	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	20-9	0805	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	20-9	0810	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	20-9	0815	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	20-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	23-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	23-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	23-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	23-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	23-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	23-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-9	0615	13117	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Priyom)
F03j	24-9	0615	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	24-9	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-9	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-9	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-9	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-9	0530	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-9	0535	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-9	0615	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	26-9	0620	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0720	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	26-9	0725	13117	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	26-9	0800	6986	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0805	6986	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0800	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	27-9	0800	6986	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)

F03j	27-9	0810	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	27-9	0815	20586	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	27-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	27-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	30-9	0530	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-9	0535	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-9	0810	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-9	0815	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03I	2-9	0730	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	0955	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0615	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0620	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0950	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	0955	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	6-9	0850	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	0855	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0615	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0620	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	0955	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-9	0810	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-9	0815	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0615	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0620	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0950	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	0955	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	12-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-9	0850	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	13-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	13-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	13-9	1321	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	16-9	0615	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-9	0620	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	16-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	16-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	16-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-9	0810	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-9	0815	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-9	0615	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-9	0950	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-9	1321	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	19-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-9	0850	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	20-9	0855	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	20-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	20-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	23-9	0615	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-9	0620	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	23-9	0730	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	23-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	23-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	23-9	0955	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	23-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	23-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	23-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-9	0810	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-9	0815	12202	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0615	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0620	18978	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0950	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	0955	10487	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	0850	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	27-9	0855	12202	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	27-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	27-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	27-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0615	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0620	18978	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	30-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0950	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	0955	10487	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-9	1530	20931	Sun	11166 10053 15963 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	1-9	1540	19219	Sun	11166 10053 15963 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-9	1550	14389	Sun	11166 10053 15963 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	2-9	0100	17532	Mon	11100 09501 00000 02084 03529	FSK 200/1000	(PY)
F06	2-9	0400	8163	Mon	11166 70059 78912 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	2-9	0410	7450	Mon	11166 70059 78912 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-9	0420	6789	Mon	11166 70059 78912 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-9	0800	9274	Mon	11100 00000 19856 30052 01179	FSK 200/1000	(AB-RUS/PY)
F06	2-9	0810	7614	Mon	11100 00000 19856 30052 01179	FSK 200/1000	(PY)
F06	3-9	0030	12077	Tue	11166 60070 13467 03001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	3-9	0040	9055	Tue	11166 60070 13467 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-9	0050	7989	Tue	11166 60070 13467 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-9	0100	17532	Tue	11100 09501 00000 02084 03529	FSK 200/1000	(PY)
F06	3-9	0700	8183	Tue	11166 70202 35874 02016 01919 and 11166 70202 96541 02017 02159	FSK 200/1000	(AB-RUS)
F06	3-9	0710	6839	Tue	11166 70202 35874 02016 01919 and 11166 70202 96541 02017 02159	FSK 200/1000	(AB-RUS)
F06	3-9	0720	5264	Tue	11166 70202 35874 02016 01919 and 11166 70202 96541 02017 02159	FSK 200/1000	(AB-RUS)
F06	3-9	1200	9188	Tue	11166 70202 35874 02016 01919 and 11166 70202 96541 02017 02159	FSK 200/1000	(AB)
F06	3-9	1210	7673	Tue	11166 70202 35874 02016 01919 and 11166 70202 96541 02017 02159	FSK 200/1000	(AB)
F06	3-9	1220	5872	Tue	11166 70202 35874 02016 01919 and 11166 70202 96541 02017 02159	FSK 200/1000	(AB)
F06	3-9	1650	19351	Tue	11166 10053 14785 03027 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-9	1700	18517	Tue	11166 10053 14785 03027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-9	1710	13527	Tue	11166 10053 14785 03027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-9	0700	8183	Thu	11166 70202 57381 04019 01959 and 11166 70202 19583 04020 02039	FSK 200/1000	(AB-RUS/PY)
F06	5-9	0710	6839	Thu	11166 70202 57381 04019 01959 and 11166 70202 19583 04020 02039	FSK 200/1000	(AB-RUS)
F06	5-9	0720	5264	Thu	11166 70202 57381 04019 01959 and 11166 70202 19583 04020 02039	FSK 200/1000	(AB-RUS)
F06	5-9	1200	9188	Thu	11166 70202 57381 04019 01959 and 11166 70202 19583 04020 02039	FSK 200/1000	(AB)
F06	5-9	1210	7673	Thu	11166 70202 57381 04019 01959 and 11166 70202 19583 04020 02039	FSK 200/1000	(AB-RUS)
F06	5-9	1220	5872	Thu	11166 70202 57381 04019 01959 and 11166 70202 19583 04020 02039	FSK 200/1000	(AB-RUS)
F06	5-9	1330	19256	Thu	11166 80214 26485 05028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	5-9	1340	14521	Thu	11166 80214 26485 05028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-9	1350	12137	Thu	11166 80214 26485 05028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-9	0100	17532	Fri	11100 09501 00000 06843 00049 00000 00000 00000 00000	FSK 200/1000	(PY)

F06	6-9	0700	8183	Fri	11166 70202 97641 06011 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	6-9	0710	6839	Fri	11166 70202 97641 06011 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	6-9	0720	5264	Fri	11166 70202 97641 06011 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	8-9	1530	20931	Sun	11166 10053 74523 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	8-9	1540	19219	Sun	11166 10053 74523 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-9	1550	14389	Sun	11166 10053 74523 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-9	0120	14428	Mon	11100 09501 00000 09085 01899 and 11100 09501 00000 09086 01569	FSK 200/1000	(PY)
F06	9-9	0800	9274	Mon	11100 00000 10763 06053 00799	FSK 200/1000	(AB-RUS)
F06	9-9	0810	7614	Mon	11100 00000 10763 06053 00799	FSK 200/1000	(AB-RUS)
F06	10-9	0030	12077	Tue	11166 60070 74961 10001 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	10-9	0040	9055	Tue	11166 60070 74961 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-9	0050	7989	Tue	11166 60070 74961 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-9	0100	17532	Tue	11100 09501 00000 09085 01899 and 11100 09501 00000 09086 01569	FSK 200/1000	(PY)
F06	10-9	0700	8183	Tue	11166 70202 85261 09022 01539 and 11166 70202 79134 09023 01639	FSK 200/1000	(AB-RUS)
F06	10-9	0710	6839	Tue	11166 70202 85261 09022 01539 and 11166 70202 79134 09023 01639	FSK 200/1000	(AB-RUS)
F06	10-9	0720	5264	Tue	11166 70202 85261 09022 01539 and 11166 70202 79134 09023 01639	FSK 200/1000	(AB-RUS)
F06	10-9	0800	9274	Tue	11100 00000 10763 06053 00799	FSK 200/1000	(AB-RUS/PY)
F06	10-9	0810	7614	Tue	11100 00000 10763 06053 00799	FSK 200/1000	(AB-RUS/PY)
F06	10-9	1200	9188	Tue	11166 70202 85261 09022 01539 and 11166 70202 79134 09023 01639	FSK 200/1000	(AB)
F06	10-9	1210	7673	Tue	11166 70202 85261 09022 01539 and 11166 70202 79134 09023 01639	FSK 200/1000	(AB)
F06	10-9	1220	5872	Tue	11166 70202 85261 09022 01539 and 11166 70202 79134 09023 01639	FSK 200/1000	(AB)
F06	10-9	1650	19351	Tue	11166 10053 15632 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-9	1700	18517	Tue	11166 10053 15632 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-9	1710	13527	Tue	11166 10053 15632 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	11-9	0915	20949	Wed	11166 40023 74523 11001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	11-9	0930	16327	Wed	11166 40023 74523 11001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	11-9	0945	14825	Wed	11166 40023 74523 11001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	12-9	0700	8183	Thu	11166 70202 32154 11025 01699 and 11166 70202 68147 11026 02199	FSK 200/1000	(AB-RUS)
F06	12-9	0710	6839	Thu	11166 70202 32154 11025 01699 and 11166 70202 68147 11026 02199	FSK 200/1000	(AB-RUS)
F06	12-9	0720	5264	Thu	11166 70202 32154 11025 01699 and 11166 70202 68147 11026 02199	FSK 200/1000	(AB-RUS)
F06	12-9	1200	9188	Thu	11166 70202 32154 11025 01699 and 11166 70202 68147 11026 02199	FSK 200/1000	(AB)
F06	12-9	1210	7673	Thu	11166 70202 32154 11025 01699 and 11166 70202 68147 11026 02199	FSK 200/1000	(AB-RUS)
F06	12-9	1220	5872	Thu	11166 70202 32154 11025 01699 and 11166 70202 68147 11026 02199	FSK 200/1000	(AB-RUS)
F06	12-9	1330	19256	Thu	11166 80214 26485 11028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/RL-HOL)
F06	12-9	1340	14521	Thu	11166 80214 26485 11028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-9	1350	12137	Thu	11166 80214 26485 11028 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	13-9	0100	17532	Fri	11100 09501 00000 13010 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	15-9	1530	20931	Sun	11166 10053 24356 15123 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	15-9	1540	19219	Sun	11166 10053 24356 15123 00049 00000 00000 00000 00000	FSK 200/1000	(TM)
F06	15-9	1550	14389	Sun	11166 10053 24356 15123 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	16-9	0110	16351	Mon	idle -500Hz carrier	FSK 200/1000	(PY)
F06	16-9	0120	14428	Mon	11100 09501 00000 16087 01479 and 11100 09501 00000 16088 01979	FSK 200/1000	(PY)

F06	16-9	0800	9274	Mon	11100 00000 85741 13054 01039	FSK 200/1000	(AB-POL/PY)
F06	16-9	0810	7614	Mon	11100 00000 85741 13054 01039	FSK 200/1000	(AB-POL/PY)
F06	17-9	0040	9055	Tue	Null message	FSK 200/1000	(PY)
F06	17-9	0050	7989	Tue	Null message	FSK 200/1000	(PY)
F06	17-9	0120	14428	Tue	11100 09501 00000 16087 01479 and 11100 09501 00000 16088 01979	FSK 200/1000	(PY)
F06	17-9	0700	8183	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(AB-RUS)
F06	17-9	0700	8183	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(PY)
F06	17-9	0710	6839	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(AB-RUS)
F06	17-9	0710	6839	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(PY)
F06	17-9	0720	5264	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(AB-RUS)
F06	17-9	0720	5262	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(PY)
F06	17-9	0800	9274	Tue	11100 00000 85741 13054 01039	FSK 200/1000	(AB-POL/PY)
F06	17-9	0810	7614	Tue	11100 00000 85741 13054 01039	FSK 200/1000	(AB-POL/PY)
F06	17-9	1200	9188	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(AB)
F06	17-9	1200	9188	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(PY)
F06	17-9	1210	7673	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(AB)
F06	17-9	1220	5872	Tue	11166 70202 14597 16028 01619 and 11166 70202 36985 16029 01539	FSK 200/1000	(AB)
F06	17-9	1650	19351	Tue	11166 10053 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-9	1700	18517	Tue	11166 10053 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-9	1710	13527	Tue	11166 10053 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-9	0700	8183	Thu	11166 70202 75316 18031 01639 and 11166 70202 95874 18032 01799	FSK 200/1000	(AB-RUS)
F06	19-9	0710	6839	Thu	11166 70202 75316 18031 01639 and 11166 70202 95874 18032 01799	FSK 200/1000	(AB-RUS)
F06	19-9	0720	5264	Thu	11166 70202 75316 18031 01639 and 11166 70202 95874 18032 01799	FSK 200/1000	(AB-RUS)
F06	19-9	1200	9188	Thu	11166 70202 75316 18031 01639 and 11166 70202 95874 18032 01799	FSK 200/1000	(AB/PY)
F06	19-9	1210	7673	Thu	11166 70202 75316 18031 01639 and 11166 70202 95874 18032 01799	FSK 200/1000	(AB-RUS)
F06	19-9	1220	5872	Thu	11166 70202 75316 18031 01639 and 11166 70202 95874 18032 01799	FSK 200/1000	(AB-RUS)
F06	19-9	1330	19256	Thu	11166 80214 12569 18075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	19-9	1340	14521	Thu	11166 80214 12569 18075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-9	1350	12137	Thu	11166 80214 12569 18075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-9	0100	17532	Fri	11100 09501 00000 20001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	20-9	0700	8183	Fri	11166 70202 48972 20001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	22-9	1530	20931	Sun	11166 10053 14563 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	22-9	1540	19219	Sun	11166 10053 14563 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-9	1550	14389	Sun	11166 10053 14563 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-9	0120	14428	Mon	11100 09501 00000 23089 03429	FSK 200/1000	(PY)
F06	23-9	0800	9274	Mon	11100 00000 32570 20055 01019	FSK 200/1000	(AB-POL/PY)
F06	23-9	0810	7614	Mon	11100 00000 32570 20055 01019	FSK 200/1000	(AB-POL/PY)
F06	24-9	0030	12077	Tue	11166 60070 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-9	0040	9055	Tue	11166 60070 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-9	0050	7989	Tue	11166 60070 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-9	0100	17532	Tue	11100 09501 00000 23089 03429	FSK 200/1000	(PY)
F06	24-9	0700	8183	Tue	11166 70202 93580 23034 01679 and 11166 70202 12843 23035 01799	FSK 200/1000	(AB)

F06	24-9	0710	6839	Tue	11166 70202 93580 23034 01679 and 11166 70202 12843 23035 01799	FSK 200/1000	(AB)
F06	24-9	0720	5264	Tue	11166 70202 93580 23034 01679 and 11166 70202 12843 23035 01799	FSK 200/1000	(AB)
F06	24-9	0800	9274	Tue	11100 00000 32570 20055 01019	FSK 200/1000	(AB-FIN)
F06	24-9	0810	7614	Tue	11100 00000 32570 20055 01019	FSK 200/1000	(AB-POL)
F06	24-9	1200	9188	Tue	11166 70202 93580 23034 01679 and 11166 70202 12843 23035 01799	FSK 200/1000	(AB)
F06	24-9	1210	7673	Tue	11166 70202 93580 23034 01679 and 11166 70202 12843 23035 01799	FSK 200/1000	(AB)
F06	24-9	1220	5872	Tue	11166 70202 93580 23034 01679 and 11166 70202 12843 23035 01799	FSK 200/1000	(AB)
F06	24-9	1650	19351	Tue	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-9	1700	18517	Tue	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-9	1710	13527	Tue	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-9	0915	20949	Wed	11166 40023 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-9	0930	16327	Wed	11166 40023 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-9	0945	14825	Wed	11166 40023 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	26-9	0700	8183	Thu	11166 70202 21853 25037 01939 and 11166 70202 75394 25038 01659	FSK 200/1000	(AB-FIN)
F06	26-9	0710	6839	Thu	11166 70202 21853 25037 01939 and 11166 70202 75394 25038 01659	FSK 200/1000	(AB-FIN)
F06	26-9	0720	5264	Thu	11166 70202 21853 25037 01939 and 11166 70202 75394 25038 01659	FSK 200/1000	(AB-FIN)
F06	26-9	1200	9188	Thu	11166 70202 21853 25037 01939 and 11166 70202 75394 25038 01659	FSK 200/1000	(AB-FIN)
F06	26-9	1210	7673	Thu	11166 70202 21853 25037 01939 and 11166 70202 75394 25038 01659	FSK 200/1000	(AB-S)
F06	26-9	1220	5872	Thu	11166 70202 21853 25037 01939 and 11166 70202 75394 25038 01659	FSK 200/1000	(AB-FIN)
F06	26-9	1330	19256	Thu	11166 80214 85246 26082 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	27-9	0120	17532	Fri	11100 09501 00000 27563 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	29-9	1530	20931	Sun	11166 10053 13467 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-9	1540	19219	Sun	11166 10053 13467 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-9	1550	14389	Sun	11166 10053 13467 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-9	0100	17532	Mon	Wrong 200Hz shift, no decode	FSK 200/200	(PY)
F06	30-9	0110	16351	Mon	Wrong 200Hz shift, no decode	FSK 200/200	(PY)
F06	30-9	0120	14428	Mon	Wrong 200Hz shift, no decode	FSK 200/200	(PY)
F06	30-9	0800	9274	Mon	11100 00000 91543 27056 02239	FSK 200/1000	(AB-POL)
F06	30-9	0810	7614	Mon	11100 00000 91543 27056 02239	FSK 200/1000	(AB-POL)
F06a	2-9	0700	8183	Mon	File 44415 (binary contents)	FSK 200/1000	(AB-POL)
F06a	2-9	0715	6839	Mon	Not heard	FSK 200/1000	(AB)
F06a	2-9	0730	5264	Mon	Not heard	FSK 200/1000	(AB)
F06a	2-9	1200	9188	Mon	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	2-9	1215	7673	Mon	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	2-9	1230	5872	Mon	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	4-9	0100	17532	Wed	File ZFD_26 (1536 bytes) 44444 09501 00000 04026 00009	FSK 200/1000	(PY)
F06a	4-9	0600	13947	Wed	File 44506 (1173 bytes, binary contents)	FSK 200/1000	(PY)
F06a	4-9	0615	17536	Wed	File 44506 (1173 bytes, binary contents)	FSK 200/1000	(PY)
F06a	4-9	0630	18945	Wed	File 44506 (1173 bytes, binary contents)	FSK 200/1000	(PY)
F06a	4-9	0700	8183	Wed	File 44418 (binary contents)	FSK 200/1000	(AB-POL)
F06a	4-9	0715	6839	Wed	File 44418 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	4-9	0730	5264	Wed	Not heard	FSK 200/1000	(AB)

F06a	4-9	1200	9188	Wed	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	4-9	1215	7673	Wed	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	4-9	1230	5872	Wed	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	5-9	0100	17532	Thu	File ZFD_26 (1536 bytes) 44444 09501 00000 04026 00009	FSK 200/1000	(PY)
F06a	5-9	0115	16351	Thu	File ZFD_26 (1536 bytes) 44444 09501 00000 04026 00009	FSK 200/1000	(PY)
F06a	5-9	0400	4859	Thu	File 04449 (binary contents)	FSK 200/1000	(AB/PY)
F06a	5-9	0415	5247	Thu	File 04449 (binary contents)	FSK 200/1000	(AB/PY)
F06a	5-9	0430	6776	Thu	File 04449 (binary contents)	FSK 200/1000	(AB/PY)
F06a	5-9	0600	13947	Thu	File 44506 (binary contents)	FSK 200/1000	(AB/PY)
F06a	5-9	0615	17536	Thu	File 44506 (binary contents)	FSK 200/1000	(AB/PY)
F06a	5-9	0630	18945	Thu	File 44506 (binary contents)	FSK 200/1000	(AB/PY)
F06a	6-9	0400	4859	Fri	File 04449 (binary contents)	FSK 200/1000	(AB/PY)
F06a	6-9	0415	5247	Fri	File 04449 (binary contents)	FSK 200/1000	(AB)
F06a	6-9	0430	6776	Fri	File 04449 (binary contents)	FSK 200/1000	(AB)
F06a	9-9	0700	8183	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	9-9	0715	6839	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	9-9	0730	5264	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-S)
F06a	9-9	1200	9188	Mon	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	9-9	1215	7673	Mon	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	9-9	1230	5872	Mon	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	11-9	0100	17532	Wed	File 44426 (1331 bytes) 44400 09501 00000 11027 00009	FSK 200/1000	(PY)
F06a	11-9	0600	13947	Wed	File 47407 (binary contents)	FSK 200/1000	(AB/PY)
F06a	11-9	0615	17536	Wed	File 47407 (binary contents)	FSK 200/1000	(AB/PY)
F06a	11-9	0630	18945	Wed	File 47407 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-9	0100	17532	Thu	File 44426 (1331 bytes) 44400 09501 00000 11027 00009	FSK 200/1000	(PY)
F06a	12-9	0600	13947	Thu	File 47407 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-9	0615	17536	Thu	File 47407 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-9	0630	18945	Thu	File 47407 (binary contents)	FSK 200/1000	(AB/PY)
F06a	16-9	0700	8183	Mon	File 44427 (2323 bytes) empty text header	FSK 200/1000	(PY)
F06a	16-9	1200	9188	Mon	File 44427 (2323 bytes) empty text header	FSK 200/1000	(PY)
F06a	16-9	1215	7673	Mon	File 44427 (2323 bytes) empty text header	FSK 200/1000	(PY)
F06a	18-9	0100	17532	Wed	File ZFD_028 (1536 bytes) 44444 09501 00000 18028 00009	FSK 200/1000	(PY)
F06a	18-9	0600	13947	Wed	File 24408 (1194 bytes, binary contents)	FSK 200/1000	(PY)
F06a	19-9	0100	17532	Thu	File ZFD_028 (1536 bytes) 44444 09501 00000 18028 00009	FSK 200/1000	(PY)
F06a	19-9	0600	13947	Thu	File 24408 (binary contents)	FSK 200/1000	(AB)
F06a	19-9	0615	17536	Thu	File 24408 (binary contents)	FSK 200/1000	(AB-POL)
F06a	19-9	0630	18945	Thu	File 24408 (binary contents)	FSK 200/1000	(AB-POL)
F06a	23-9	0700	8183	Mon	File 44433 (1199 bytes) empty text header	FSK 200/1000	(PY)
F06a	23-9	1200	9188	Mon	File 44433 (1199 bytes) empty text header	FSK 200/1000	(PY)
F06a	25-9	0100	17532	Wed	File ZFD_029 (2755 bytes) 44400 09501 00000 25029 00003	FSK 200/1000	(PY)
F06a	25-9	0115	16351	Wed	File ZFD_029 (2755 bytes) 44400 09501 00000 25029 00003	FSK 200/1000	(PY)
F06a	25-9	0600	13947	Wed	File 44609 (binary contents)	FSK 200/1000	(AB)

F06a	25-9	0615	17536	Wed	File 44609 (binary contents)	FSK 200/1000	(AB/PY)
F06a	25-9	0630	18945	Wed	File 44609 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	25-9	1200	9188	Wed	File 44436 (binary contents)	FSK 200/1000	(AB)
F06a	25-9	1215	7673	Wed	File 44436 (binary contents)	FSK 200/1000	(AB)
F06a	25-9	1230	5872	Wed	File 44436 (binary contents)	FSK 200/1000	(AB)
F06a	26-9	0100	17532	Thu	File ZFD_029 (2755 bytes) 44400 09501 00000 25029 00003	FSK 200/1000	(PY)
F06a	26-9	0115	16351	Thu	File ZFD_029 (2755 bytes) 44400 09501 00000 25029 00003	FSK 200/1000	(PY)
F06a	26-9	0600	13947	Thu	File 44609 (binary contents)	FSK 200/1000	(AB)
F06a	26-9	0615	17536	Thu	File 44609 (binary contents)	FSK 200/1000	(AB/PY)
F06a	26-9	0630	18945	Thu	File 44609 (binary contents)	FSK 200/1000	(AB)
F06a	26-9	1500	19629	Thu	File KI80038.002 (1007 bytes) Header 11100 80038 82456 26002 01619	FSK 200/1000	(PY)
F06a	26-9	1510	15828	Thu	File KI80038.002 (1007 bytes) Header 11100 80038 82456 26002 01619	FSK 200/1000	(PY)
F06a	26-9	1520	12176	Thu	File KI80038.002 (1007 bytes) Header 11100 80038 82456 26002 01619	FSK 200/1000	(PY)
F06a	27-9	1900	13835	Fri	44034 (3037 bytes, binary contents)	FSK 200/1000	(PY)
F06a	27-9	1915	12204	Fri	44034 (3037 bytes, binary contents)	FSK 200/1000	(PY)
F06a	27-9	1930	11156	Fri	44034 (3037 bytes, binary contents)	FSK 200/1000	(PY)
F06a	28-9	0600	13386	Sat	44034 (3037 bytes, binary contents)	FSK 200/1000	(PY)
F06a	28-9	0615	12091	Sat	44034 (3037 bytes, binary contents)	FSK 200/1000	(PY)
F06a	28-9	0630	11436	Sat	44034 (3037 bytes, binary contents)	FSK 200/1000	(PY)
F06a	30-9	0700	8183	Mon	File 44439 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	30-9	0715	6839	Mon	File 44439 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	30-9	0730	5264	Mon	File 44439 (binary contents)	FSK 200/1000	(AB-S)
F06a	30-9	1200	9188	Mon	File 44439 (binary contents)	FSK 200/1000	(AB-POL)
F06a	30-9	1215	7673	Mon	File 44439 (binary contents)	FSK 200/1000	(AB-POL)
F06a	30-9	1230	5872	Mon	File 44439 (binary contents)	FSK 200/1000	(AB-POL)
F07	3-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	10-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-9	2000	13985	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-9	2010	13471	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-9	2020	12216	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-9	2030	11589	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-9	2040	10867	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-9	2050	10258	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-9	2000	13985	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-9	2010	13471	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-9	2020	12216	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-9	2030	11589	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-9	2040	10867	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-9	2050	10258	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-9	1200	10643	Mon	Russian intel. F07 variant. 2 blocks	MFSK-16/49Bd/40hz tone spacing	(PY)
F07	30-9	1210	11467	Mon	Russian intel. F07 variant. 2 blocks	MFSK-16/49Bd/40hz tone spacing	(PY)
F07	30-9	1220	13526	Mon	Russian intel. F07 variant. 2 blocks	MFSK-16/49Bd/40hz tone spacing	(PY)
M01	1-9	0700	6510	Sun	463 302 30 = 51429	CW	(HFD)
M01	3-9	1800	5475	Tue	463 857 30 = 52740 ...	CW	(HFD)
M01	3-9	2000	5020	Tue	463 505 505 30 30 = = 62539 80703 51729 ... 64824 74902 56724 = = 505 505 30 30 000	CW	(AB)
M01	5-9	1800	5475	Thu	463 388 388 30 30 = = 64734 23123 44657 ... 63412 84533 85664 = = 388 388 0 0 0	CW	(AB-S)
M01	5-9	2000	5020	Thu	463 726 726 30 30 = = 83422 74536 77123 ... 71043 74563 25466 = = 726 726 30 30 0 0 0	CW	(AB)

M01	7-9	1500	6260	Sat	463 301 301 2EEEE 301 301 30 30 = = 37645 73645 54152 ... 16748 28719 29017 = = 301 301 30 30 000	CW	(AB/HFD)
M01	8-9	0703	6510	Sun	104 104 104 104 1 EEE 463 (R) 104 104 30 30 = = 45309 10928 22091 ... 38918 19847 01981 01875 = = 104 104 30 30 000. Late start	CW	(AB)
M01	10-9	2000	5020	Tue	463 628 628 30 30 = = 43251 64783 89362 ... 53749 31428 56745 = = 628 628 30 30 000	CW	(AB)
M01	14-9	1500	6260	Sat	463 465 465 30 30 = = 59637 46534 20988 ... 58909 47563 13245 = = 465 465 30 30 000	CW	(PY/AB/Subilo)
M01	15-9	0700	6510	Sun	463 489 489 30 30 = = 44778 50989 24354 ... 57688 33456 22765 = = 489 489 30 30 000	CW	(PY/AB/Subilo)
M01	17-9	1800	5475	Tue	463 127 127 30 30 = = 75845 66123 01232 ... 19360 74533 82546 = = 127 127 30 30 000	CW	(PY/AB/Subilo)
M01	17-9	2000	5020	Tue	463 387 387 30 30 = = 85466 88324 77342 ... 22040 01254 00234 = = 387 387 30 30 000	CW	(AB/PY/HFD)
M01	19-9	1800	5475	Thu	463 629 629 30 30 = = 86759 67448 55763 ... 74812 87231 87123 = = 629 629 30 30 000	CW	(PY/AB/Subilo)
M01	19-9	2000	5020	Thu	463 ... (too weak to copy)	CW	(PY/AB)
M01	21-9	1500	6260	Sat	463 751 751 30 30 = = 46534 13243 39987 ... 47568 30989 23411 = = 751 7B51 30 30 000	CW	(AB-S/Subilo)
M01	22-9	0700	6510	Sun	463 833 833 30 30 = = 66875 80977 24312 ... 60978 14344 59877 = = 833 833 30 30 000 Only 28 groups were sent.	CW	(AB-POL/Subilo)
M01	24-9	1800	5475	Tue	463 389 389 30 30 = = 65712 65573 90021 ... 76345 78500 S3907 = = 389 389 30 30 000	CW	(AB-FIN)
M01	24-9	2000	5020	Tue	463 163 163 30 30 = = 65741 65771 74900 ... 78345 78491 64381 = = 163 163 30 30 000	CW	(AB)
M01	28-9	1500	6260	Sat	463 439 439 30 30 = = 18394 73517 94624 ... 54891 64723 32467 = = 439 439 30 30 000	CW	(AB-POL)
M01	29-9	0700	6510	Sun	463 781 781 30 30 = = 29893 65825 47189 ... 48285 51749 52439 = = 781 781 30 30 000	CW	(AB-POL)
M12	1-9	2310	13368	Sun	311 311 311 1 1089 213 1089 213 36506 98920 02963 ... 38105 23575 00207 000 000	CW	(PY/AB)
M12	1-9	2330	12168	Sun	311 311 311 1 1089 213 1089 213 36506 98920 02963 ... 38105 23575 00207 000 000	CW	(PY/AB)
M12	1-9	2350	11168	Sun	311 311 311 1 1089 213 1089 213 36506 98920 02963 ... 38105 23575 00207 000 000	CW	(PY/AB)
M12	2-9	2000	11109	Mon	385 385 385 000	CW	(AB/HFD)
M12	2-9	2020	10309	Mon	385 385 385 000	CW	(AB/HFD)
M12	3-9	0300	17437	Tue	495 495 495 000	CW	(HFD-J)
M12	3-9	0320	15937	Tue	495 495 495 000	CW	(HFD-J)
M12	3-9	1100	11519	Tue	289 289 289 1 6328 63 6328 63 98826 02725 30062 ... 46010 02338 59659 000 000	CW	(AB/HFD)
M12	3-9	1120	12194	Tue	289 289 289 1 6328 63 6328 63 98826 02725 30062 ... 46010 02338 59659 000 000	CW	(AB/HFD)
M12	3-9	1140	13407	Tue	289 289 289 1 6328 63 6328 63 98826 02725 30062 ... 46010 02338 59659 000 000	CW	(AB/HFD)
M12	4-9	1900	13367	Wed	315 315 315 000	CW	(AB/HFD)

M12	4-9	1920	12167	Wed	315 315 315 000	CW	(AB/HFD)
M12	5-9	1800	11435	Thu	938 938 938 1 7537 82 7537 93454 50163 08240 ... 72891 46707 79641 15035 000 000	CW	(AB)
M12	5-9	1820	10598	Thu	938 938 938 1 7537 82 7537 93454 50163 08240 ... 72891 46707 79641 15035 000 000	CW	(AB)
M12	5-9	1840	9327	Thu	938 938 938 1 7537 82 7537 93454 50163 08240 ... 72891 46707 79641 15035 000 000	CW	(AB)
M12	5-9	2000	11109	Thu	385 385 385 000	CW	(AB)
M12	5-9	2020	10309	Thu	385 385 385 000	CW	(AB)
M12	6-9	0010	14942	Fri	991 991 991 1 ...	CW	(HFD-J)
M12	6-9	0030	13942	Fri	991 991 991 1 ...	CW	(HFD)
M12	6-9	0050	12142	Fri	991 991 991 1 ...	CW	(HFD)
M12	6-9	1900	13367	Fri	315 315 315 000	CW	(AB)
M12	6-9	1920	12167	Fri	315 315 315 000	CW	(AB)
M12	6-9	2100	7961	Fri	988 988 988 13426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(AB)
M12	6-9	2120	6861	Fri	988 988 988 13426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(AB)
M12	6-9	2140	5861	Fri	988 988 988 13426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(AB)
M12	7-9	2100	7961	Sat	988 988 988 13426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(AB/HFD)
M12	7-9	2120	6861	Sat	988 988 988 13426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(AB/HFD)
M12	7-9	2140	5861	Sat	988 988 988 13426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(AB/HFD)
M12	8-9	2310	13368	Sun	311 311 311 1 ...	CW	(HFD)
M12	8-9	2330	12168	Sun	311 311 311 1 ...	CW	(HFD)
M12	8-9	2350	11168	Sun	311 311 311 1 ...	CW	(HFD)
M12	9-9	2000	11109	Mon	385 385 385 1 8146 47 8146 47 47253 07077 93717 ... 99199 02461 16560 000 000	CW	(AB)
M12	9-9	2020	10309	Mon	385 385 385 1 8146 47 8146 47 47253 07077 93717 ... 99199 02461 16560 000 000	CW	(AB)
M12	9-9	2040	9209	Mon	385 385 385 1 8146 47 8146 47 47253 07077 93717 ... 99199 02461 16560 000 000	CW	(AB)
M12	10-9	1100	11519	Tue	289 289 289 1 7450 55 7450 55 80731 69125 04165 ... 02399 64487 91263 000 000	CW	(AB)
M12	10-9	1120	12194	Tue	289 289 289 1 7450 55 7450 55 80731 69125 04165 ... 02399 64487 91263 000 000	CW	(AB)
M12	10-9	1140	13407	Tue	289 289 289 1 7450 55 7450 55 80731 69125 04165 ... 02399 64487 91263 000 000	CW	(AB)
M12	11-9	1900	13367	Wed	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	11-9	1920	12167	Wed	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	11-9	1940	10567	Wed	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	12-9	1800	11435	Thu	938 938 938 1 ...	CW	(HFD)
M12	12-9	1820	10598	Thu	938 938 938 1 ...	CW	(HFD)
M12	12-9	1840	9327	Thu	938 938 938 1 ...	CW	(HFD)
M12	12-9	2000	11109	Thu	385 385 385 1 8146 47 8146 47 47253 07077 93717 ... 99199 02461 16560 000 000	CW	(AB)

M12	12-9	2020	10309	Thu	385 385 385 1 8146 47 8146 47 47253 07077 93717 ... 99199 02461 16560 000 000	CW	(AB)
M12	12-9	2040	9209	Thu	385 385 385 1 8146 47 8146 47 47253 07077 93717 ... 99199 02461 16560 000 000	CW	(AB)
M12	13-9	1900	13367	Fri	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	13-9	1920	12167	Fri	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB/Priyom)
M12	13-9	1940	10567	Fri	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB/Priyom)
M12	14-9	2100	7961	Sat	988 988 988 1 3426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(PY/AB)
M12	14-9	2120	6861	Sat	988 988 988 1 3426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(Priyom)
M12	14-9	2140	5861	Sat	988 988 988 1 3426 105 3426 105 69700 47235 48206 ... 89884 52485 32287 000 000	CW	(Priyom)
M12	15-9	2310	13368	Sun	311 311 311 1 184 219 184 219 39502 09065 09259 ... 61142 24539 22615 000 000	CW	(PY/AB)
M12	15-9	2330	12168	Sun	311 311 311 1 184 219 184 219 39502 09065 09259 ... 61142 24539 22615 000 000	CW	(PY/AB)
M12	15-9	2350	11168	Sun	311 311 311 1 184 219 184 219 39502 09065 09259 ... 61142 24539 22615 000 000	CW	(Priyom)
M12	16-9	0010	14942	Mon	991 991 991 1 709 193 709 193 ...	CW	(Pigmon)
M12	16-9	2000	11109	Mon	385 385 385 000	CW	(AB/RL/Priyom)
M12	16-9	2020	10309	Mon	385 385 385 000	CW	(AB/RL/Priyom)
M12	17-9	0300	17437	Tue	495 495 495 1 636 179 636 179 62240 32723 22317 ... 26770 23306 27204 000 000	CW	(PY/AB)
M12	17-9	1100	11519	Tue	289 289 289 1 3228 56 3228 56 26133 76373 61575 ... 66107 48047 00731 000 000	CW	(Subilo)
M12	17-9	1100	12194	Tue	289 289 289 1 3228 56 3228 56 26133 76373 61575 ... 66107 48047 00731 000 000	CW	(Subilo)
M12	17-9	1100	13407	Tue	289 289 289 1 3228 56 3228 56 26133 76373 61575 ... 66107 48047 00731 000 000	CW	(Subilo)
M12	18-9	1900	13367	Wed	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	18-9	1920	12167	Wed	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	18-9	1940	10567	Wed	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	18-9	2310	13368	Wed	311 311 311 1 184 219 184 219 39502 09065 09259 ... 61142 24539 22615 000 000	CW	(PY/AB)
M12	18-9	2330	12168	Wed	311 311 311 1 184 219 184 219 39502 09065 09259 ... 61142 24539 22615 000 000	CW	(PY/AB)
M12	19-9	0300	17431	Thu	495 495 495 1 636 179 636 179 ...	CW	(Pigmon)
M12	19-9	0320	15937	Thu	495 495 495 1 636 179 636 179 ...	CW	(Pigmon)
M12	19-9	0340	14537	Thu	495 495 495 1 636 179 636 179 ...	CW	(Pigmon)
M12	19-9	1800	11435	Thu	938 938 938 1 2223 76 2223 76 44692 95291 50560 ... 16316 71540 23523 000 000	CW	(PY/AB/Subilo)
M12	19-9	1820	10598	Thu	938 938 938 1 2223 76 2223 76 44692 95291 50560 ... 16316 71540 23523 000 000	CW	(PY/AB/Subilo)
M12	19-9	1840	9327	Thu	938 938 938 1 2223 76 2223 76 44692 95291 50560 ... 16316 71540 23523 000 000	CW	(Subilo)
M12	19-9	2000	11109	Thu	385 385 385 000	CW	(AB/RL/Priyom)
M12	19-9	2020	10309	Thu	385 385 385 000	CW	(AB/RL)
M12	20-9	0010	14942	Fri	991 991 991 1 709 193 709 193 31640 99440 29219 ... 29361 27417 81919 000 000	CW	(PY/AB)
M12	20-9	1900	13367	Fri	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	20-9	1920	12167	Fri	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	20-9	1940	10567	Fri	315 315 315 1 2221 95 2221 95 06600 79305 99512 ... 33038 94976 60939 000 000	CW	(AB)
M12	20-9	2100	7961	Fri	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	20-9	2120	6861	Fri	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)

M12	20-9	2140	5861	Fri	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	21-9	2100	7961	Sat	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	21-9	2120	6861	Sat	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	21-9	2140	5861	Sat	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	22-9	2310	13368	Sun	311 311 311 1 246 71 246 71 00898 42103 79512 ... 27915 58866 21102 000 000	CW	(PY/AB)
M12	22-9	2330	12168	Sun	311 311 311 1 246 71 246 71 00898 42103 79512 ... 27915 58866 21102 000 000	CW	(Priyom)
M12	22-9	2350	11168	Sun	311 311 311 1 246 71 246 71 00898 42103 79512 ... 27915 58866 21102 000 000	CW	(Pigmon)
M12	23-9	0010	14942	Mon	991 991 991 1 5531 137 5531 137 10342 26808 56990 ... 17344 92402 17019 000 000	CW	(PY/AB)
M12	23-9	2000	11109	Mon	385 385 385 1 259 61 259 61 58879 57514 53971 ... 09659 86796 69464 000 000	CW	(AB/Priyom)
M12	23-9	2020	10309	Mon	385 385 385 1 259 61 259 61 58879 57514 53971 ... 09659 86796 69464 000 000	CW	(AB/Priyom)
M12	23-9	2040	9209	Mon	385 385 385 1 259 61 259 61 58879 57514 53971 ... 09659 86796 69464 000 000	CW	(AB/Priyom)
M12	24-9	0300	17437	Tue	495 495 495 1 343 181 343 181 07985 12037 49188 ... 15353 65449 11013 000 000	CW	(PY/AB)
M12	24-9	0300	17437	Tue	495 495 495 1 343 181 343 181 79851...	CW	(Subilo)
M12	24-9	1100	11519	Tue	289 289 289 1 6738 54 6738 54 99761 64700 16420 ... 82536 50536 39651 000 000	CW	(AB)
M12	24-9	1120	12194	Tue	289 289 289 1 6738 54 6738 54 99761 64700 16420 ... 82536 50536 39651 000 000	CW	(AB)
M12	24-9	1140	13407	Tue	289 289 289 1 6738 54 6738 54 99761 64700 16420 ... 82536 50536 39651 000 000	CW	(AB)
M12	25-9	1900	13367	Wed	315 315 315 000	CW	(AB)
M12	25-9	1920	12167	Wed	315 315 315 000	CW	(AB)
M12	26-9	0012	11168	Thu	311 311 311 1 3137 425 3137 425 83497 12872 17322 ... 09051 79446 04417 000 000	CW	(PY/AB)
M12	26-9	2000	11109	Thu	385 385 385 1 259 61 259 61 58879 57514 53971 ... 09659 86796 69464 000 000	CW	(AB)
M12	26-9	2020	10309	Thu	385 385 385 1 259 61 259 61 58879 57514 53971 ... 09659 86796 69464 000 000	CW	(AB)
M12	26-9	2040	9209	Thu	385 385 385 1 259 61 259 61 58879 57514 53971 ... 09659 86796 69464 000 000	CW	(AB)
M12	27-9	1900	13367	Fri	315 315 315 000	CW	(AB)
M12	27-9	1920	12167	Fri	315 315 315 000	CW	(AB)
M12	27-9	2100	7961	Fri	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	27-9	2120	6861	Fri	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	27-9	2140	5861	Fri	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	28-9	2100	7961	Sat	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	28-9	2120	6861	Sat	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)
M12	28-9	2140	5861	Sat	988 988 988 1 2978 137 2978 137 51473 20657 44088 ... 05020 54235 67719 000 000	CW	(AB)

M12	29-9	2310	13368	Sun	311 311 311 1 3137 425 3137 425 83497 12872 17322 ... 09051 79446 04417 000 000	CW	(PY/AB)
M12	29-9	2340	12168	Sun	311 311 311 1 3137 425 3137 425 83497 12872 17322 ... 09051 79446 04417 000 000	CW	(PY/AB)
M12	30-9	0010	14942	Mon	991 991 991 1 624 53 624 53 64311 87454 92745 ... 38313 39346 8385 000 000	CW	(PY/AB)
M12	30-9	0012	11168	Mon	311 311 311 1 3137 425 3137 425 83497 12872 17322 ... 09051 79446 04417 000 000	CW	(PY/AB)
M12	30-9	2000	11109	Mon	385 385 385 000	CW	(AB)
M12	30-9	2020	10309	Mon	385 385 385 000	CW	(AB)
M14	2-9	0502	12221	Mon	952 935 935 60 60 = = 14608 42927 35324 ... 91479 03642 95692 = = 935 935 60 60 00000 Late start	CW	(AB-J/HFD-J)
M14	2-9	0520	10243	Mon	No transmission	CW	(AB-J)
M14	3-9	0500	12221	Tue	952 180 180 54 54 = = 09689 13592 14302 ...10750 39431 35210 = = 180 180 54 54 00000	CW	(AB-J/HFD-J)
M14	3-9	0500	12211	Tue	952-180/54=09689 normal msg via KiwiSDR J	CW	(HFD-J)
M14	3-9	0520	10243	Tue	952 180 180 54 54 = = 09689 13592 14302 ...10750 39431 35210 = = 180 180 54 54 00000	CW	(AB-J/HFD-J)
M14	4-9	0500	12211	Wed	952 674 674 25 25 = 88587 42003 30173 ... 98846 45793 84876 = = 674 674 25 25 952 810 810 32 32 = 31472 99538 76981 ... 35528 13037 34996 = = 810 810 32 32 00000	CW	(AB-J)
M14	4-9	0524	10243	Wed	952 674 674 25 25 = 88587 42003 30173 ... 98846 45793 84876 = = 674 674 25 25 952 810 810 32 32 = 31472 99538 76981 ... 35528 13037 34996 = = 810 810 32 32 00000 Late start	CW	(AB-J)
M14	5-9	0500	12211	Thu	952 674 674 25 25 = 88587 42003 30173 ... 98846 45793 84876 = = 674 674 25 25 952 810 810 32 32 = 31472 99538 76981 ... 35528 13037 34996 = = 810 810 32 3200000	CW	(AB-J)
M14	5-9	0524	10243	Thu	952 674 674 25 25 = 88587 42003 30173 ... 98846 45793 84876 = = 674 674 25 25 952 810 810 32 32 = 31472 99538 76981 ... 35528 13037 34996 = = 810 810 32 32 00000 Late start	CW	(AB-J)
M14	6-9	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	6-9	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	9-9	0502	12221	Mon	952 746 746 53 53 = = 94595 18545 44394 ... 80708 97311 31342 = = 746 746 53 53 00000	CW	(AB-J)
M14	9-9	0520	10243	Mon	952 746 746 53 53 = = 94595 18545 44394 ... 80708 97311 31342 = = 746 746 53 53 00000	CW	(AB-J)
M14	10-9	0502	12221	Tue	952 746 746 53 53 = = 94595 18545 44394 ... 80708 97311 31342 = = 746 746 53 53 00000	CW	(AB-J)
M14	10-9	0520	10243	Tue	952 746 746 53 53 = = 94595 18545 44394 ... 80708 97311 31342 = = 746 746 53 53 00000	CW	(AB-J)
M14	11-9	0500	12211	Wed	952 301 301 36 36 = = 96482 97765 81436 ... 45613 14432 27765 = = 301 301 36 36 952 468 468 19 19 = = 66543 41058 01337 ... 45417 47522 65611 = = 468 468 19 19 00000	CW	(AB-J)

M14	11-9	0520	10243	Wed	952 301 301 36 36 == 96482 97765 81436 ... 45613 14432 27765 == 301 301 36 36 952 468 468 19 19 == 66543 41058 01337 ... 45417 47522 65611 == 468 468 19 19 00000	CW	(AB-J)
M14	12-9	0500	12211	Thu	952 301 301 36 36 == 96482 97765 81436 ... 45613 14432 27765 == 301 301 36 36 (only the 1st message was sent)	CW	(AB-J)
M14	12-9	0520	10243	Thu	952 301 301 36 36 == 96482 97765 81436 ... 45613 14432 27765 == 301 301 36 36 952 468 468 19 19 == 66543 41058 01337 ... 45417 47522 65611 == 468 468 19 19 00000	CW	(AB-J)
M14	23-9	0500	12221	Mon	952 847 847 53 53 == 24354 40778 10929 ... 28875 80868 52667 == 847 847 53 53 00000	CW	(AB-J)
M14	23-9	0520	10243	Mon	952 847 847 53 53 == 24354 40778 10929 ... 28875 80868 52667 == 847 847 53 53 00000	CW	(AB-J)
M14	24-9	0500	12221	Tue	952 847 847 53 53 == 24354 40778 10929 ... 28875 80868 52667 == 847 847 53 53 00000	CW	(AB-J)
M14	24-9	0521	10243	Tue	952 847 847 53 53 == 24354 40778 10929 ... 28875 80868 52667 == 847 847 53 53 00000	CW	(AB-J)
M14	25-9	0500	12211	Wed	952 631 631 22 22 == 73986 20955 85357 ... 54535 95862 80156 == 631 631 22 22 952 487 487 33 33 == 04969 21786 38257 ... 97482 81711 96511 == 487 487 33 33 00000	CW	(AB-J)
M14	25-9	0520	10243	Wed	952 631 631 22 22 == 73986 20955 85357 ... 54535 95862 80156 == 631 631 22 22 952 487 487 33 33 == 04969 21786 38257 ... 97482 81711 96511 == 487 487 33 33 00000	CW	(AB-J)
M14	26-9	0500	12211	Thu	952 487 487 33 33 == 04969 21786 38257 ... 97482 81711 96511 == 487 487 33 33 952 631 631 22 22 == 73986 20955 85357 ... 54535 95862 80156 == 631 631 22 22 00000	CW	(AB-J)
M14	26-9	0520	10243	Thu	952 487 487 33 33 == 04969 21786 38257 ... 97482 81711 96511 == 487 487 33 33 952 631 631 22 22 == 73986 20955 85357 ... 54535 95862 80156 == 631 631 22 22 00000	CW	(AB-J)
M14	30-9	0500	12221	Mon	952 106 106 53 53 == 45499 42935 10172 ... 17187 95266 45362 == 106 106 53 53 00000	CW	(AB-J)
M14	30-9	0520	10243	Mon	952 106 106 53 53 == 45499 42935 10172 ... 17187 95266 45362 == 106 106 53 53 00000	CW	(AB-J)
M32	25-9	1400	13174	Wed	PHKN PHKN PHKN DE CMN3 QTC ZLX K CMN3 759 34 25 1657 759 = 04919 17623 43250 ... 13360 44816 25030 184	CW	(AB)
M32	25-9	1405	13174	Wed	CMN3 QRV K AS	CW	(AB)
M32	25-9	1411	13174	Wed	NW PHKN DE CMN3 RPT AA 25 K CMN3 R 871 K CMN3 QRV K BK BK RPT PBL K RPT PBL K	CW	(AB)
M32	25-9	1417	13174	Wed	CMN3 R 379 K LKRW DE CMN3 QTC ZBS K CMN3 979 34 25 17 14 979	CW	(AB)
M42	3-9	0840	18459	Tue	Russian diplo	MFSK-66	(AB)
M42	3-9	1205	17420	Tue	Russian diplo	Serdolik v2	(AB)
M42	3-9	1213	17420	Tue	Russian diplo	Serdolik v2	(AB)
M42	4-9	1552	13407	Wed	Russian diplo	Serdolik v2	(T101)
M42	4-9	1558	14728	Wed	Russian diplo	Serdolik v2	(T101)

M42	4-9	1603	13860	Wed	Russian diplo	Serdolik v2/DSB	(T101)
M42	4-9	1604	12183	Wed	Russian diplo	Serdolik v2/DSB	(T101)
M42	4-9	1606	15686	Wed	Russian diplo	Serdolik v2/DSB	(T101)
M42	6-9	0839	18736	Fri	Russian diplo	MFSK-66	(AB)
M42	6-9	1023	19478	Fri	Russian diplo	Serdolik v2	(T101)
M42	9-9	0915	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	9-9	0926	19273	Mon	Russian diplo	Serdolik v2	(AB)
M42	9-9	1221	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	10-9	1005	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	10-9	1012	20813	Tue	Russian diplo	Serdolik v2	(RO)
M42	10-9	1354	15785	Tue	Russian diplo	Serdolik FSK 40Bd	(T101)
M42	10-9	1402	13872	Tue	Russian diplo	Serdolik FSK 40Bd	(T101)
M42	13-9	0809	15985	Fri	Russian diplo	Perelivt	(Priyom)
M42	13-9	0855	13473	Fri	Russian diplo	Perelivt	(Priyom)
M42	13-9	1202	19251	Fri	Russian diplo	Perelivt	(Priyom)
M42	16-9	0649	12122	Mon	Russian diplo	Perelivt	(Pof)
M42	16-9	0748	13520	Mon	Russian diplo	MFSK-66	(RO)
M42	16-9	0908	18762	Mon	Russian diplo	OFDM-45	(Pof)
M42	16-9	1334	10980	Mon	Russian diplo	OFDM-112	(Pof)
M42	16-9	1354	9950	Mon	Russian diplo	OFDM-112	(Pof)
M42	17-9	0825	14358	Tue	Russian diplo	MFSK-66	(RO)
M42	18-9	0857	9971	Wed	Russian intel.	OFDM-45	(Pof)
M42	18-9	0947	7511	Wed	Russian intel.	OFDM-45	(Pof)
M42	18-9	0955	12676	Wed	Russian intel.	OFDM-60	(Pof)
M42	18-9	1118	9971	Wed	Russian diplo	OFDM-45	(Pof)
M42	18-9	1133	8150	Wed	Russian diplo	OFDM-60	(Pof)
M42	18-9	1601	12107	Wed	Russian diplo	Serdolik 40Bd FSK	(T101)
M42	18-9	1601	12183	Wed	Russian diplo	Serdolik v2	(T101)
M42	19-9	0921	20844	Thu	Russian diplo	MFSK-66	(RO)
M42	20-9	0841	9950	Fri	Russian diplo	OFDM-112	(Pof)
M42	23-9	0809	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	23-9	0836	18332	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	23-9	0842	18332	Mon	Russian diplo	Serdolik v2	(AB)
M42	23-9	0916	19276	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-9	0917	19274	Mon	Russian diplo	Serdolik v2	(AB)
M42	23-9	0920	19276	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-9	0933	19274	Mon	Russian diplo	Serdolik v2	(AB)
M42	23-9	0934	19273	Mon	Russian diplo	Serdolik v2	(RO)
M42	24-9	0819	13420	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	24-9	0825	13420	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	24-9	1004	20816	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	25-9	0815	11563	Wed	Russian diplo	Serdolik v2	(Moon)

MX	4-9	1905	16331.7	Wed	Beacon D, Sevastopol	CW	(HFD)
MX	4-9	1906	16332	Wed	Beacon C, Moscow	CW	(HFD)
MX	4-9	1907	16332.1	Wed	Beacon A, Astrakhan	CW	(HFD)
MX	18-9	1915	5445	Wed	Beacon V	CW	(AB)
P03	1-9	0530	9431	Sun	Polish intel.	PSK	(AB)
P03	1-9	0535	9431	Sun	Polish intel.	PSK	(AB)
P03	1-9	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	1-9	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	1-9	1100	8186	Sun	Polish intel.	PSK	(AB)
P03	1-9	1105	8186	Sun	Polish intel.	PSK	(AB)
P03	1-9	1245	6807	Sun	Polish intel.	PSK	(AB)
P03	1-9	1250	6807	Sun	Polish intel.	PSK	(AB)
P03	1-9	1515	18636	Sun	Polish intel.	PSK	(AB)
P03	1-9	1520	18636	Sun	Polish intel.	PSK	(AB)
P03	1-9	1725	14415	Sun	Polish intel.	PSK	(AB)
P03	1-9	1730	14415	Sun	Polish intel.	PSK	(AB)
P03	2-9	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	2-9	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	3-9	1725	14415	Tue	Polish intel.	PSK	(AB)
P03	3-9	1730	14415	Tue	Polish intel.	PSK	(AB)
P03	4-9	1310	9063	Wed	Polish intel.	PSK	(AB)
P03	4-9	1315	9063	Wed	Polish intel.	PSK	(AB)
P03	6-9	0530	9431	Fri	Polish intel.	PSK	(AB)
P03	6-9	0535	9431	Fri	Polish intel.	PSK	(AB)
P03	6-9	1100	8186	Fri	Polish intel.	PSK	(AB)
P03	6-9	1105	8186	Fri	Polish intel.	PSK	(AB)
P03	7-9	1020	6849	Sat	Polish intel.	PSK	(AB)
P03	7-9	1025	6849	Sat	Polish intel.	PSK	(AB)
P03	7-9	1245	6807	Sat	Polish intel.	PSK	(AB)
P03	7-9	1250	6807	Sat	Polish intel.	PSK	(AB)
P03	7-9	1310	9063	Sat	Polish intel.	PSK	(AB)
P03	7-9	1315	9063	Sat	Polish intel.	PSK	(AB)
P03	8-9	0530	9431	Sun	Polish intel.	PSK	(AB)
P03	8-9	0535	9431	Sun	Polish intel.	PSK	(AB)
P03	8-9	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	8-9	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	8-9	1100	8186	Sun	Polish intel.	PSK	(AB)
P03	8-9	1105	8186	Sun	Polish intel.	PSK	(AB)
P03	8-9	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	8-9	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	8-9	1245	6807	Sun	Polish intel.	PSK	(AB)
P03	8-9	1250	6807	Sun	Polish intel.	PSK	(AB)

P03	8-9	1515	18636	Sun	Polish intel.	PSK	(AB)
P03	8-9	1520	18636	Sun	Polish intel.	PSK	(AB)
P03	8-9	1725	14415	Sun	Polish intel.	PSK	(AB)
P03	8-9	1730	14415	Sun	Polish intel.	PSK	(AB)
P03	8-9	1950	7670	Sun	Polish intel.	PSK	(AB)
P03	8-9	1955	7670	Sun	Polish intel.	PSK	(AB)
P03	9-9	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	9-9	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	10-9	1725	14415	Tue	Polish intel.	PSK	(AB)
P03	10-9	1730	14415	Tue	Polish intel.	PSK	(AB)
P03	11-9	1310	9063	Wed	Polish intel.	PSK	(AB)
P03	11-9	1315	9063	Wed	Polish intel.	PSK	(AB)
P03	12-9	1950	7670	Thu	Polish intel.	PSK	(AB)
P03	12-9	1955	7670	Thu	Polish intel.	PSK	(AB)
P03	13-9	1100	8186	Fri	Polish intel.	PSK	(Priyom)
P03	13-9	1515	18636	Fri	Polish intel.	PSK	(Priyom)
P03	14-9	1020	6849	Sat	Polish intel.	PSK	(Priyom)
P03	14-9	1245	6807	Sat	Polish intel.	PSK	(Priyom)
P03	14-9	1310	9063	Sat	Polish intel.	PSK	(Priyom)
P03	15-9	1020	6849	Sun	Polish intel.	PSK	(Priyom)
P03	15-9	1025	6849	Sun	Polish intel.	PSK	(TM)
P03	15-9	1100	8186	Sun	Polish intel.	PSK	(Priyom)
P03	15-9	1105	8186	Sun	Polish intel.	PSK	(TM)
P03	15-9	1220	20167	Sun	Polish intel.	PSK	(Priyom)
P03	15-9	1225	20167	Sun	Polish intel.	PSK	(TM)
P03	15-9	1245	6807	Sun	Polish intel.	PSK	(Priyom)
P03	15-9	1250	6807	Sun	Polish intel.	PSK	(TM)
P03	15-9	1515	18636	Sun	Polish intel.	PSK	(Priyom)
P03	15-9	1520	18636	Sun	Polish intel.	PSK	(TM)
P03	15-9	1725	14415	Sun	Polish intel.	PSK	(AB/Rycat)
P03	15-9	1730	14415	Sun	Polish intel.	PSK	(AB)
P03	15-9	1950	7670	Sun	Polish intel.	PSK	(AB/Priyom)
P03	15-9	1955	7670	Sun	Polish intel.	PSK	(AB)
P03	16-9	1220	20167	Mon	Polish intel.	PSK	(Priyom)
P03	17-9	1725	14415	Tue	Polish intel.	PSK	(AB/Priyom)
P03	17-9	1730	14415	Tue	Polish intel.	PSK	(AB)
P03	18-9	1315	9063	Wed	Polish intel.	PSK	(Priyom)
P03	19-9	1950	7670	Thu	Polish intel.	PSK	(AB/Priyom)
P03	19-9	1955	7670	Thu	Polish intel.	PSK	(AB)
P03	20-9	0530	9431	Fri	Polish intel.	PSK	(Priyom)
P03	20-9	1100	8186	Fri	Polish intel.	OSK	(Priyom)
P03	20-9	1520	18636	Fri	Polish intel.	PSK	(Priyom)

P03	21-9	1020	6849	Sat	Polish intel.	PSK	(Priyom)
P03	21-9	1245	6807	Sat	Polish intel.	PSK	(Priyom)
P03	21-9	1250	6807	Sat	Polish intel.	PSK	(Priyom)
P03	21-9	1310	9063	Sat	Polish intel.	PSK	(Priyom)
P03	22-9	0530	9431	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	0535	9431	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1020	6849	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	22-9	1100	8186	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1105	8186	Sun	Polish intel.	PSK	(AB)
P03	22-9	1220	20167	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	22-9	1245	6807	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1250	6807	Sun	Polish intel.	PSK	(AB)
P03	22-9	1515	18636	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1520	18636	Sun	Polish intel.	PSK	(AB)
P03	22-9	1725	14415	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1730	14415	Sun	Polish intel.	PSK	(AB)
P03	22-9	1950	7670	Sun	Polish intel.	PSK	(AB/Priyom)
P03	22-9	1955	7670	Sun	Polish intel.	PSK	(AB)
P03	23-9	1220	20167	Mon	Polish intel.	PSK	(Priyom)
P03	23-9	1225	20167	Mon	Polish intel.	PSK	(TM)
P03	24-9	1725	14415	Tue	Polish intel.	PSK	(AB)
P03	24-9	1730	14415	Tue	Polish intel.	PSK	(AB)
P03	25-9	1310	9063	Wed	Polish intel.	PSK	(AB)
P03	25-9	1315	9063	Wed	Polish intel.	PSK	(AB)
P03	27-9	0530	9431	Fri	Polish intel.	PSK	(TM)
P03	27-9	0535	9431	Fri	Polish intel.	PSK	(TM)
P03	27-9	1100	8186	Fri	Polish intel.	PSK	(AB)
P03	27-9	1105	8186	Fri	Polish intel.	PSK	(AB)
P03	27-9	1515	18636	Fri	Polish intel.	PSK	(AB)
P03	27-9	1520	18636	Fri	Polish intel.	PSK	(AB)
P03	28-9	1020	6849	Sat	Polish intel.	PSK	(AB)
P03	28-9	1025	6849	Sat	Polish intel.	PSK	(AB)
P03	28-9	1245	6807	Sat	Polish intel.	PSK	(AB)
P03	28-9	1250	6807	Sat	Polish intel.	PSK	(AB)
P03	28-9	1310	9063	Sat	Polish intel.	PSK	(AB)
P03	28-9	1315	9063	Sat	Polish intel.	PSK	(AB)
P03	29-9	0530	9431	Sun	Polish intel.	PSK	(AB)
P03	29-9	0535	9431	Sun	Polish intel.	PSK	(AB)
P03	29-9	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	29-9	1025	6849	Sun	Polish intel.	PSK	(AB)

P03	29-9	1100	8186	Sun	Polish intel.	PSK	(AB)
P03	29-9	1105	8186	Sun	Polish intel.	PSK	(AB)
P03	29-9	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	29-9	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	29-9	1245	6807	Sun	Polish intel.	PSK	(AB)
P03	29-9	1250	6807	Sun	Polish intel.	PSK	(AB)
P03	29-9	1515	18636	Sun	Polish intel.	PSK	(AB)
P03	29-9	1520	18636	Sun	Polish intel.	PSK	(AB)
P03	29-9	1725	14415	Sun	Polish intel.	PSK	(AB)
P03	29-9	1730	14415	Sun	Polish intel.	PSK	(AB)
P03	29-9	1950	7670	Sun	Polish intel.	PSK	(AB)
P03	29-9	1955	7670	Sun	Polish intel.	PSK	(AB)
P03	30-9	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	30-9	1225	20167	Mon	Polish intel.	PSK	(AB)
P03g	2-9	1030	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	2-9	1035	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-9	0635	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-9	0640	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-9	1100	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-9	1105	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-9	1030	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-9	1035	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-9	1100	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-9	1105	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-9	0635	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-9	0640	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-9	0635	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-9	0640	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-9	1030	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-9	1035	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-9	0635	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-9	0640	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-9	1100	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-9	1105	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-9	1030	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-9	1035	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	11-9	1100	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-9	1105	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-9	0635	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-9	0640	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-9	0635	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-9	0640	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-9	1030	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(Priyom)
P03g	17-9	0630	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-9	0635	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/Priyom)
P03g	17-9	1100	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(Priyom)
P03g	17-9	1105	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(Priyom)
P03g	17-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/Priyom)
P03g	17-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-9	1030	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(Priyom)
P03g	18-9	1100	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(Priyom)
P03g	19-9	0635	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/Priyom)
P03g	19-9	0640	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/Priyom)
P03g	19-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/Priyom)
P03g	19-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-9	0635	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-9	0640	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-9	1035	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(TM)
P03g	24-9	0635	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/Priyom)
P03g	24-9	0640	19515	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-9	1100	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-9	1105	8274	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-9	1030	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-9	1035	9902	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-9	1100	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-9	1105	8274	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-9	0635	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-9	0640	19515	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-9	0635	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-9	0640	19515	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-9	1030	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-9	1035	9902	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	3-9	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	3-9	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)

P03i	10-9	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	10-9	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	12-9	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	12-9	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	13-9	1500	9902	Fri	Polish intel.	BPSK 100Bd/512bp	(Priyom)
P03i	17-9	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(Priyom)
P03i	17-9	1500	9902	Tue	Polish intel.	BPSK 100Bd/512bp	(Priyom)
P03i	20-9	1500	9902	Fri	Polish intel.	BPSK 100Bd/512bp	(Priyom)
P03i	24-9	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/Priyom)
P03i	24-9	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	24-9	1500	9902	Tue	Polish intel.	BPSK 100Bd/512bp	(Priyom)
P03i	26-9	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	26-9	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03k	1-9	0630	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-9	0635	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1730	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1735	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1730	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1735	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-9	0630	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-9	0635	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1730	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1735	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/Priyom)
P03k	14-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(Priyom)
P03k	14-9	1730	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(Priyom)
P03k	15-9	0630	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/Priyom)
P03k	15-9	0635	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-9	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(Priyom)
P03k	18-9	1730	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/Priyom)
P03k	18-9	1735	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(Priyom)
P03k	21-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(Priyom)

P03k	21-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(Priyom)
P03k	21-9	1730	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/Rycat)
P03k	21-9	1735	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/Rycat)
P03k	22-9	0630	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/Priyom)
P03k	22-9	0635	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/Priyom)
P03k	24-9	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1730	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1735	10429	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-9	0630	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-9	0635	7504	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-9	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	28-9	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	28-9	1730	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-9	1735	10429	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-9	0630	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-9	0635	7504	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	3-9	1500	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-9	1505	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-9	1345	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-9	1350	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-9	1345	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-9	1350	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-9	1500	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-9	1505	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-9	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-9	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-9	1500	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-9	1505	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-9	1345	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-9	1350	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-9	1345	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(Priyom)
P03I	16-9	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(Priyom)
P03I	18-9	1345	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(Priyom)
P03I	19-9	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(Priyom)
P03I	20-9	1350	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(Priyom)
P03I	23-9	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(Priyom)
P03I	24-9	1500	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-9	1505	9902	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-9	1345	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-9	1350	10641	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-9	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	26-9	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	1345	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	1350	10641	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	1500	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	1505	9902	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-9	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-9	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	1-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-9	1400	9311	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-9	1410	9071	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-9	1420	8189	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-9	1430	7894	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-9	1440	7488	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-9	1450	6783	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-9	1400	9311	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-9	1410	9071	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-9	1420	8189	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-9	1430	7894	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-9	1440	7488	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-9	1450	6783	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	15-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	15-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	15-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	15-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-9	1400	9311	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	18-9	1410	9071	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	18-9	1420	8189	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	18-9	1430	7894	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	18-9	1440	7488	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)

P07	18-9	1450	6783	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	22-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/Priyom)
P07	22-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-9	1400	9311	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-9	1410	9071	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-9	1420	8189	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-9	1430	7894	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-9	1440	7488	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-9	1450	6783	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-9	1400	9311	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-9	1410	9071	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-9	1420	8189	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-9	1430	7894	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-9	1440	7488	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-9	1450	6783	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	28-9	1406	16243	Sat	XYXYXYXYXYXY CY GD QSL 2210 AHR HR MSG GA CY 0095 21 24 0928 2200 4J5V--- 4J5Y 5794 2738 6250 ...	4+4 QPSK 75/3000 LSB	(EW)
S06	2-9	0400	11616	Mon	480 935 60 14608 42927 35324 ... 91479 03642 95692 935 60 00000	USB	(Subilo/HFD-J)
S06	2-9	0420	9322	Mon	480 935 60 14608 42927 35324 ... 91479 03642 95692 935 60 00000	USB	(Subilo/HFD-J)
S06	3-9	0400	11616	Tue	480 935 60 14608 42927 35324 ... 91479 03642 95692 935 60 00000	USB	(Subilo)
S06	3-9	0420	9322	Tue	480 935 60 14608 42927 35324 ... 91479 03642 95692 935 60 00000	USB	(Subilo)
S06	4-9	0400	11616	Wed	480 761 24 78817 41267 76557 ... 20217 21217 97826 761 24 480 529 34 49025 72386 52956 ... 07030 55318 04777 529 34 00000	USB	(Subilo)
S06	4-9	0420	9322	Wed	480 761 24 78817 41267 76557 ... 20217 21217 97826 761 24 480 529 34 49025 72386 52956 ... 07030 55318 04777 529 34 00000	USB	(Subilo)
S06	5-9	0400	11616	Thu	480 761 24 78817 41267 76557 ... 20217 21217 97826 761 24 480 529 34 49025 72386 52956 ... 07030 55318 04777 529 34 00000	USB	(Subilo)
S06	5-9	0420	9322	Thu	480 761 24 78817 41267 76557 ... 20217 21217 97826 761 24 480 529 34 49025 72386 52956 ... 07030 55318 04777 529 34 00000	USB	(Subilo)
S06	6-9	1900	9925	Fri	842 842 842 00000	USB	(AB/Lac/HFD)
S06	6-9	2000	7505	Fri	842 842 842 00000	USB	(AB/Lac/HFD)
S06	9-9	0400	11616	Mon	480 613 57 95437 09054 63702 ... 94921 00896 51116 613 57 00000	USB	(Lac)
S06	9-9	0420	9322	Mon	480 613 57 95437 09054 63702 ... 94921 00896 51116 613 57 00000	USB	(Lac)
S06	20-9	1900	9925	Fri	842 842 842 00000	USB	(AB/Priyom)
S06	20-9	2000	7505	Fri	842 842 842 00000	USB	(AB/Priyom)
S11a	1-9	0830	6433	Sun	377/00 Konets	USB	(AB/HFD)
S11a	2-9	0510	23004	Mon	654/35 Vnimaniye 73769 00755 36306 ... 86762 22464 63811 Vnimaniye (msg rptd) Konets	USB	(AB-POL)

S11a	2-9	0700	8597	Mon	479/00 Konets	USB	(AB/HFD/Lac)
S11a	2-9	0915	6480	Mon	486/00 Konets	USB	(AB-POL)
S11a	3-9	0445	10728	Tue	798/38 Vnimanaye 99975 22679 19191 ... 32739 75828 98606 Vnimanaye (msg rptd) Out	USB	(TM)
S11a	3-9	1400	11420	Tue	422/00 Konets	USB	(AB/Lac/HFD)
S11a	4-9	0510	23004	Wed	654/35 Vnimanaye 73769 00755 36306 ... 86762 22464 63811 Vnimanaye (msg rptd) Konets	USB	(AB-POL/HFD)
S11a	4-9	0725	21854	Wed	387/00 Konets	USB	(AB-POL/Lac)
S11A	4-9	1850	10213	Wed	280/00 Konets	USB	(HFD/Lac)
S11a	4-9	1850	10213	Wed	280/00	USB	(Lac)
S11a	5-9	0445	10728	Thu	798/38 Vnimanaye 99975 22679 19191 ... 32739 75828 98606 Vnimanaye (msg rptd) Out	USB	(AB/HFD)
S11a	5-9	0700	8597	Thu	472/00 Konets	USB	(AB/Lac)
S11a	6-9	0725	21854	Fri	382/00 Konets	USB	(AB/HFD)
S11a	6-9	0915	6480	Fri	486/00 Konets	USB	(AB/HFD)
S11a	6-9	1400	11420	Fri	422/00 Out	USB	(AB)
S11a	7-9	0830	6433	Sat	378/00 Konets	USB	(AB/Lac)
S11a	7-9	1850	10213	Sat	287/00 Konets	USB	(AB)
S11a	8-9	0830	6433	Sun	370/00 Konets	USB	(AB)
S11a	9-9	0510	23004	Mon	650/00 Konets	USB	(AB-POL)
S11a	9-9	0700	8597	Mon	475/00 Konets	USB	(AB)
S11a	9-9	0915	6480	Mon	481/00 Konets	USB	(AB-POL)
S11a	10-9	0445	10728	Tue	797/00 Konets	USB	(AB)
S11a	10-9	1400	11420	Tue	424/37 Vnimanaye 78873 05747 63189 ... 30694 73104 86704 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	11-9	0510	23004	Wed	650/00 Konets	USB	(AB-POL)
S11a	11-9	0725	21854	Wed	381/31 Vnimanaye 15237 32680 74527 ... 62246 73188 28675 Vnimanaye (msg rptd) Konets	USB	(AB/Lac)
S11a	11-9	1850	10213	Wed	288/00 Konets	USB	(AB)
S11a	12-9	0445	10728	Thu	798/00 Out	USB	(AB)
S11a	12-9	0700	8597	Thu	472/00 Konets	USB	(AB)
S11a	13-9	0725	21854	Fri	381/31 Vnimanaye 15237 32680 74527 ... 62246 73188 28675 Vnimanaye (msg rptd) Konets	USB	(Priyom)
S11a	13-9	1400	11420	Fri	424/37 Vnimanaye 78873 05747 63189 ... 30694 73104 86704 Vnimanaye (msg rptd) Konets	USB	(Priyom)
S11a	14-9	0830	6433	Sat	373/39 Vnimanaye 02269 24653 19957 ... 21565 90197 07387 Vnimanaye (msg rptd) Konets	USB	(AB/Priyom)
S11a	14-9	1850	10213	Sat	284/00 Konets	USB	(AB/Priyom)
S11a	15-9	0830	6433	Sun	373/39 Vnimanaye 02269 24653 19957 ... 21565 90197 07387 Vnimanaye (msg rptd) Out	USB	(AB/Subilo)
S11a	16-9	0510	23004	Mon	659/00 Konets	USB	(Priyom)
S11a	16-9	0700	8597	Mon	472/00 Konets	USB	(AB/Lac)

S11a	17-9	0445	10728	Tue	790/00 Konets	USB	(Priyom)
S11a	17-9	1400	11420	Tue	427/00 Konets	USB	(Lac)
S11a	18-9	0510	23004	Wed	659/00 Konets	USB	(Priyom)
S11a	18-9	0725	21854	Wed	382/00 Konets	USB	(Priyom)
S11a	18-9	1850	10213	Wed	281/33 Vnimanaye 57791 26675 39154 ... 39427 28963 93228 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	19-9	0445	10728	Thu	796/00 Konets	USB	(Subilo)
S11a	19-9	0700	8597	Thu	472/00 Konets	USB	(AB/Priyom)
S11a	20-9	0725	21854	Fri	382/00 Konets	USB	(Lac)
S11a	20-9	0915	6480	Fri	483/00 Konets	USB	(Priyom)
S11a	20-9	1400	11420	Fri	424/00 Konets	USB	(Priyom)
S11a	21-9	0830	6433	Sat	371/00 Konets	USB	(Priyom)
S11a	21-9	1850	10213	Sat	281/33 Vnimanaye 57791 26675 39154 ... 39427 28963 93228 Vnimanaye (msg rptd) Konets	USB	(AB/Priyom)
S11a	22-9	0830	6433	Sun	376/00 Konets	USB	(AB/Subilo)
S11a	23-9	0510	23004	Mon	654/00 Konets	USB	(AB-POL)
S11a	23-9	0700	8597	Mon	477/40 Vnimanaye 84768 89289 41041 ... 47591 12096 30158 Vnimanaye (msg rptd) Konets	USB	(AB/Lac)
S11a	23-9	0915	6480	Mon	486/36 Vnimanaye 22921 72646 ... 48869 94316 31187 Vnimanaye (msg rptd) Konets	USB	(AB-POL/Priyom)
S11a	24-9	0445	10728	Tue	791/00 Konets	USB	(AB/Subilo)
S11a	24-9	1400	11420	Tue	427/00 Konets	USB	(AB/Priyom)
S11a	25-9	0510	23004	Wed	656/00 Konets	USB	(AB-POL)
S11a	25-9	0725	21854	Wed	389/00 Konets	USB	(AB-POL)
S11a	25-9	1850	10213	Wed	282/00 Konets	USB	(AB)
S11a	26-9	0445	10728	Thu	796/00 Konets	USB	(AB)
S11a	26-9	0700	8597	Thu	472/00 Konets	USB	(AB)
S11a	26-9	0700	8597	Thu	477/40 Vnimanaye 84768 89289 41041 ... 47591 12096 30158 Vnimanaye (msg rptd) Konets	USB	(Lac)
S11a	27-9	0915	6480	Fri	486/36 Vnimanaye 22921 72646 ... 48869 94316 31187 Vnimanaye (msg rptd) Konets	USB	(TM)
S11a	27-9	1400	11420	Fri	421/00 Konets	USB	(AB)
S11a	27-9	1850	10213	Fri	280/00 Konets	USB	(Lac)
S11a	28-9	0830	6433	Sat	373/00 Konets	USB	(AB)
S11a	28-9	1850	10213	Sat	280/00 Konets	USB	(AB)
S11a	29-9	0830	6433	Sun	376/00 Konets	USB	(AB)
S11a	30-9	0700	8597	Mon	470/00 Konets	USB	(AB/Lac)
S11a	30-9	0915	6480	Mon	483/00 Konets	USB	(AB-POL)
UM04	1-9	0700	4735	Sun	VVV VVV PROMRCh = 01 09 = 1000 0940 0970 1080 1440 ... 0800 0830 0860 0990 1370 = AR	CW	(AB-HNG)
UM04	4-9	0700	4735	Wed	VVV VVV PROMRCh = 04 09 = 1000 0940 0980 1090 1470 ... 0800 0820 0860 0980 1370 = AR	CW	(AB-HNG)
UM04	7-9	0700	4735	Sat	VVVVV PROMRCh = 0709 = 1000 0950 0990 1100 1500 ... 0800 0820 0900 0980 1380 = AR	CW	(AB-HNG)

UM04	8-9	0700	4735	Sun	VVV VVV PROMRCh = 08 09 = 1000 0960 1000 1120 1510 ... 0800 0830 0870 1000 1390 = AR	CW	(AB-HNG)
UM04	10-9	0702	4735	Tue	VVV VVV PROMRCh = 1009 = 1000 0980 1020 1140 1540 ... 0800 0840 0880 1010 1420 = AR	CW	(AB-HNG)
UM04	12-9	0700	4735	Thu	VVV VVV PROMRCh = 12 09 = 1000 1010 1040 1160 1580 ... 0800 0870 0900 1040 1450 = AR	CW	(AB-HNG)
UM04	16-9	0700	4735	Mon	VVV VVV PROMRCh = 1609 = 1000 1020 1060 1180 1610 ... 0800 0870 0910 1050 1480 = AR	CW	(AB-HNG)
UM04	17-9	0700	4735	Tue	VVV VVV PROMRCh = 17 09 = 1000 1020 1060 1190 1610 ... 0800 0870 0910 1050 1480 = AR	CW	(AB-HNG)
UM04	19-9	0700	4735	Thu	VVV VVV PROMRCh = 19 09 = 1000 1030 1070 1200 1650 ... 0800 0870 0920 1060 1500 = AR	CW	(AB-HNG)
UM04	22-9	0700	4735	Sun	VVV VVV PROMRCh = 22 09 = 1000 1030 1070 1210 1650 ... 0800 0870 0910 1060 1500 = AR	CW	(AB-HNG)
UM04	23-9	0700	4735	Mon	VVV VVV PROMRCh = 23 09 = 1000 1040 1080 1210 1660 ... 0800 0870 0910 1050 1490 = AR	CW	(AB-HNG)
UM04	24-9	0702	4735	Tue	VVV VVV PROMRCh = 2409 = 1000 1030 1070 1210 1660 ... 0800 0860 0910 1050 1490 = AR	CW	(AB-HNG)
UM04	29-9	0700	4735	Sun	VVV VVV PROMRCh = 29 09 = 1000 1020 1060 1190 1650 ... 0800 0840 0880 1030 1460 = AR	CW	(AB-HNG)
UM04	30-9	0700	4735	Mon	VVV VVV PROMRCh = 30 09 = 1000 1010 1050 1190 1640 ... 0800 0830 0880 1020 1450 = AR	CW	(AB-HNG)
UM05	1-9	0559	5345.8	Sun	9 (R), Ampule (R), D (R), etc.	CW	(AB-F)
UM05	2-9	0447	5345.8	Mon	Opinion (R), Bonheur (R), etc.	CW	(AB)
UM05	3-9	0458	5345.8	Tue	M (R), Cafe (R), Prairie (R), etc.	CW	(AB-F)
UM05	4-9	0458	5345.8	Wed	Mot (R), Loga (R), etc.	CW	(AB)
UM05	5-9	0512	5345.8	Thu	Kangourou (R), Pleurer (R), etc.	CW	(AB-F)
UM05	6-9	0511	5345.8	Fri	Z (R), B (R), etc.	CW	(AB-F)
UM05	7-9	0520	5345.8	Sat	Prairie (R), Helicoptere (R), etc.	CW	(AB)
UM05	8-9	0558	5345.8	Sun	H (R), Decembre(R), Foret (R), etc.	CW	(AB-F)
UM05	9-9	0451	5345.8	Mon	Solaire (R), Oreiller (R), etc.	CW	(AB)
UM05	10-9	0500	5345.8	Tue	Fenetre (R), Q (R), Canard (R), etc.	CW	(AB-F)
UM05	11-9	0509	5345.8	Wed	Etudiant (R), Ocean (R), etc.	CW	(AB)
UM05	12-9	0456	5345.8	Thu	CTE (R), Petrel (R), Classe (R), etc.	CW	(AB-F)
UM05	15-9	0612	5345.8	Sun	Itineraire (R), etc.	CW	(AB-F)
UM05	16-9	0553	5345.8	Mon	Medicament (R), Train (R), Lit (R), Planete (R), etc.	CW	(AB)
UM05	17-9	0807	5345.8	Tue	Avantage (R), Soir (R), etc.	CW	(AB)
UM05	18-9	1720	5345.8	Wed	Regarder (R), Alimentation (R), etc.	CW	(AB-F)
UM05	19-9	0628	5345.8	Thu	Sale (R), Arbre (R), Taxi (R), etc.	CW	(AB-F)
UM05	25-9	0700	4735	Wed	VVV VVV PROMRCh = 25 09 = 1000 1030 1070 1200 1650 ... 0800 0860 0900 1040 1480 = AR	CW	(AB-HNG)
V07	1-9	0200	17431	Sun	414 414 414 1 1415 91 1415 91 17874 ...	USB	(HFD-USA)

V07	1-9	0220	16131	Sun	414 414 414 1 1415 91 1415 91 17874 ...	USB	(HFD)
V07	1-9	0240	14431	Sun	414 414 414 1 1415 91 1415 91 17874 ...	USB	(HFD)
V07	8-9	0200	17431	Sun	414 414 414 1 498 101 498 101 70736 63056 76266 ... 16879 03410 49243 000 000	USB	(Dan)
V07	15-9	0200	17431	Sun	414 414 414 1 1028 82 1028 82 34306 72801 09789 ... 42034 29882 67409 000 000	USB	(Dan/FSpy)
V07	22-9	0200	17431	Sun	414 414 414 1 327 115 327 115 94984 51524 55198 ... 41906 19653 79152 000 000	USB	(Dan/FSpy/Priyom)
V07	29-9	0240	14431	Sun	414 414 414 1 2394 123 23 94 123 33855 91895 07358 ... 53952 47910 19464 000 000	USB	(FSpyY)
V13	2-9	0100	20025	Mon	New Star Broadcasting. Station 4. Messages to units 3650, 5669, 6418	USB/AM	(FSpy)
V13	2-9	0130	18040	Mon	New Star Broadcasting. Station 3. Messages to units 6409, 7849, 8893	USB	(FSpy)
V13	2-9	0200	8169	Mon	New Star Broadcasting. Station 1. Messages to units 0307, 3114, 6998	USB/AM	(FSpy)
V13	2-9	0330	9276	Mon	New Star Broadcasting. Station 2. Messages to units 2297, 6542, 8179	USB/AM	(FSpy)
V13	8-9	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 4792, 6735, 8917	USB/AM	(FSpy)
V13	8-9	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 1881, 5285, 6332	USB	(FSpy)
V13	8-9	0330	11430	Sun	New Star Broadcasting. Station 1. Messages to units 6016, 6122, 6695, 6749, 6983	AM	(FSpy)
V13	9-9	0000	15388	Mon	New Star Broadcasting. Station 4. Messages to units 0845, 1285, 3426	USB	(FSpy)
V13	14-9	1000	20025	Sat	New Star Broadcasting	USB	(Pof)
V13	14-9	1000	20095	Sat	New Star Broadcasting	USB	(Pof)
V13	14-9	1100	19052	Sat	New Star Broadcasting	USB	(Pof)
V13	15-9	0100	18040	Sun	New Star Broadcasting. Station 3. Messages to units 3051, 4122, 8663	USB	(FSpy)
V13	15-9	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 4339, 4851, 6067	USB	(FSpy)
V13	15-9	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 1122, 1164, 4158	USB	(FSpy)
V13	16-9	0300	9276	Mon	New Star Broadcasting	USB	(Priyom)
V13	16-9	0300	11430	Mon	New Star Broadcasting	USB	(Priyom)
V13	16-9	0330	9276	Mon	New Star Broadcasting	USB	(Priyom)
V13	16-9	0330	11430	Mon	New Star Broadcasting	USB	(Priyom)
V13	18-9	0300	9276	Wed	New Star Broadcasting	USB	(Subilo)
V13	18-9	0300	11430	Wed	New Star Broadcasting	USB	(Subilo)
V13	19-9	0000	15890	Thu	New Star Broadcasting	USB	(Rycat)
V13	19-9	0300	9276	Thu	New Star Broadcasting	USB	(Subilo)
V13	19-9	0330	11430	Thu	New Star Broadcasting	USB	(Priyom)
V13	19-9	0330	9276	Thu	New Star Broadcasting	USB	(Subilo)
V13	20-9	0300	9276	Fri	New Star Broadcasting	USB	(Subilo)
V13	20-9	0300	11430	Fri	New Star Broadcasting	USB	(Subilo)
V13	20-9	0330	9276	Fri	New Star Broadcasting	USB	(Subilo)
V13	20-9	0330	11430	Fri	New Star Broadcasting	USB	(Subilo)
V13	20-9	1130	13974	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	20-9	1130	19052	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	20-9	1230	13974	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	20-9	1230	19052	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	20-9	1300	11430	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	20-9	1300	19052	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	20-9	1430	8300	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)

V13	20-9	1430	20095	Fri	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	21-9	0100	18040	Sat	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	21-9	0100	18040	Sat	New Star Broadcasting. Station 1. Switched to 19052 at 0104z	USB	(Pigmon)
V13	21-9	0104	19052	Sat	New Star Broadcasting. Station 1	USB	(Pigmon)
V13	21-9	0130	14944	Sat	New Star Broadcasting. Station 4	USB	(Pigmon)
V13	21-9	0130	18040	Sat	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	21-9	0130	20025	Sat	New Star Broadcasting. Station 4	USB	(Pigmon)
V13	21-9	0130	8300	Sat	New Star Broadcasting. Station 3	USB	(Pigmon)
V13	22-9	0000	18040	Sun	New Star Broadcasting	USB	(Rycat)
V13	22-9	0100	18040	Sun	New Star Broadcasting. Station 3. Messages to units 1155, 1905, 2758	USB/AM	(FSpy)
V13	22-9	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 2577, 5772, 6708	USB/AM	(FSpy)
V13	22-9	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 3347, 4977, 7510	USB/AM	(FSpy)
V13	22-9	1200	13974	Sun	New Star Broadcasting	USB	(AVX)
V13	22-9	1200	14944	Sun	New Star Broadcasting	USB	(AVX)
V13	22-9	1200	15388	Sun	New Star Broadcasting	USB	(AVX)
V13	22-9	1400	20095	Sun	New Star Broadcasting	USB	(AVX)
V13	22-9	1500	20095	Sun	New Star Broadcasting	USB	(AVX)
V13	23-9	0300	11430	Mon	New Star Broadcasting	USB	(Subilo)
V13	23-9	0300	9276	Mon	New Star Broadcasting	USB	(Subilo)
V13	23-9	0330	11430	Mon	New Star Broadcasting	USB	(Subilo)
V13	23-9	0330	9276	Mon	New Star Broadcasting	USB	(Subilo)
V13	24-9	0300	11430	Tue	New Star Broadcasting	USB	(Priyom)
V13	24-9	0300	9276	Tue	New Star Broadcasting	USB	(Priyom)
V13	24-9	0330	11430	Tue	New Star Broadcasting	USB	(Priyom)
V13	24-9	0330	9276	Tue	New Star Broadcasting	USB	(Priyom)
V13	26-9	1003	19052	Thu	New Star Broadcasting	USB	(AB-J)
V13	26-9	1003	20025	Thu	New Star Broadcasting	USB	(AB-J)
V13	26-9	1003	20095	Thu	New Star Broadcasting. Carrier only	USB	(AB-J)
V13	28-9	1137	20095	Sat	New Star Broadcasting	USB	(EW)
V13	29-9	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 3624, 4041, 9807	USB	(FSpy)
V13	30-9	0030	18040	Mon	New Star Broadcasting. Station 1. Messages to units 2515, 2828, 2987, 3088, 3252, 3636	AM	(FSpy)
V28	12-9	2110	5486	Thu	Parrot	AM	(HK)
V28	15-9	0903	5243	Sun	Parrot	AM	(HK)
V28	15-9	0903	5279.6	Sun	Parrot	AM	(HK)
V28	15-9	0904	5243	Sun	Parrot	AM	(HK)
V28	15-9	0904	5486	Sun	Parrot	AM	(HK)
V28	24-9	2103	5009	Tue	Parrot	AM	(HK)
V28	24-9	2103	5502	Tue	Parrot	AM	(HK)
V28	25-9	0908	5502	Wed	Parrot	AM	(HK)
X06	3-9	0830	15687	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)
X06	3-9	0835	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)

X06	4-9	1228	19878	Wed	MFA Moscow clg 231654: Russian embassy ABuja	MFSK-6	(Moon)
X06	4-9	1558	12186	Wed	MFA Moscow clg 214356: Russian embassy Amman	MFSK-6	(T101)
X06	6-9	0826	16219	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(Moon)
X06	8-9	1116	14865	Sun	MFA Moscow clg 261453z: Russian embassy Cairo	MFSK-6	(AB)
X06	8-9	1118	14865	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	9-9	0856	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	9-9	0857	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB)
X06	9-9	0921	18235	Mon	MFA Moscow clg 463125: Russian embassy RABat	MFSK-6	(AB)
X06	9-9	0921	19235	Mon	MFA Moscow clg 463125: Russian embassy RABat	MFSK-6	(Moon)
X06	10-9	1003	17520	Tue	MFA Moscow clg 612534: Russian embassy Ashgebat	MFSK-6	(RO)
X06	10-9	1009	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO)
X06	10-9	1016	16317	Tue	MFA Moscow clg 612534: Russian embassy Ashgebat	MFSK-6	(Anon)
X06	13-9	0800	14863	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva	MFSK-6	(Priyom)
X06	13-9	1240	19610	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(T101)
X06	13-9	1240	19610	Fri	MFA Moscow clg unid station	MFSK-6	(T101)
X06	16-9	0750	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(RO)
X06	16-9	0810	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(RO)
X06	17-9	0829	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	17-9	0840	17454	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(RO)
X06	18-9	0640	13838	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(Moon)
X06	18-9	1108	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MKSK-6	(Pof)
X06	19-9	0715	21825	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	19-9	1332	20627	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(Moon)
X06	22-9	0935	14865	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	23-9	0828	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Anon)
X06	23-9	0927	16117	Mon	MFA Moscow clg 463125: Russian embassy RABat	MFSK-6	(AB)
X06	24-9	0806	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/RO)
X06	24-9	1009	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO)
X06	25-9	0759	18177	Wed	MFA Moscow clg 164253: Russian embassy Addis ABABa	MFSK-6	(AB/Moon)
X06	25-9	0810	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/Moon)
X06	25-9	0852	13985	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)
X06	25-9	0854	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)
X06	26-9	0806	14550	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(RO)
X06	27-9	1409	16911	Fri	MFA Moscow clg 256134: Russian embassy ABidjan	MFSK-6	(AB)
X06	27-9	1415	17463	Fri	MFA Moscow clg 256134: Russian embassy ABidjan	MFSK-6	(AB)
X06b	26-9	1010	18250	Thu	131312 (ended at 1051z)	MFSK-6	(AB)
X06b	30-9	1028	13950	Mon	121265	MFSK-6	(AB)
X06b	30-9	1127	11467	Mon	166611	MFSK-6	(AB)
X06b	30-9	1130	11467	Mon	166612	MFSK-6	(AB)
X06c	13-9	1227	18260	Fri	123456	MFSK-6	(AB)
XPA1	4-9	1210	12137	Wed	112 112 112 000 02316 00001 00000 35653	MFSK-20/10Bd	(AB)
XPA1	4-9	1220	11137	Wed	112 112 112 000 02316 00001 00000 35653	MFSK-20/10Bd	(AB)

XPA1	4-9	1250	10237	Wed	112 112 112 000 02316 00001 00000 35653	MFSK-20/10Bd	(AB)
XPA1	6-9	1210	12137	Fri	112 112 112 000 02159 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	6-9	1220	11137	Fri	112 112 112 000 02159 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	6-9	1250	10237	Fri	112 112 112 000 02159 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	11-9	1210	12137	Wed	112 112 112 000 06562 00001 00000 34664	MFSK-20/10Bd	(AB/HFD)
XPA1	11-9	1220	11137	Wed	112 112 112 000 06562 00001 00000 34664	MFSK-20/10Bd	(AB/HFD)
XPA1	11-9	1250	10237	Wed	112 112 112 000 06562 00001 00000 34664	MFSK-20/10Bd	(AB/RL-HOL/HFD)
XPA1	13-9	1210	12137	Fri	112 112 112 000 02461 00001 00000 33660	MFSK-20/10Bd	(PY)
XPA1	13-9	1220	11137	Fri	112 112 112 000 02461 00001 00000 33660	MFSK-20/10Bd	(PY)
XPA1	18-9	1210	12137	Wed	112 112 112 000 05298 00001 00000 36266	MFSK-20/10Bd	(PY)
XPA1	18-9	1250	10237	Wed	112 112 112 000 05298 00001 00000 36266	MFSK-20/10Bd	(PY)
XPA1	20-9	1210	12137	Fri	112 112 112 000 02614 00001 00000 36253	MFSK-20/10Bd	(PY)
XPA1	20-9	1220	11137	Fri	112 112 112 000 02614 00001 00000 36253	MFSK-20/10Bd	(PY)
XPA1	25-9	1210	12137	Wed	112 112 112 000 04764 00001 00000 36662	MFSK-20/10Bd	(AB)
XPA1	25-9	1220	11137	Wed	112 112 112 000 04764 00001 00000 36662	MFSK-20/10Bd	(AB)
XPA1	25-9	1250	10237	Wed	112 112 112 000 04764 00001 00000 36662	MFSK-20/10Bd	(AB)
XPA1	27-9	1210	12137	Fri	112 112 112 000 05136 00001 00000 34660	MFSK-20/10Bd	(AB)
XPA1	27-9	1220	11137	Fri	112 112 112 000 05136 00001 00000 34660	MFSK-20/10Bd	(AB)
XPA1	27-9	1250	10237	Fri	112 112 112 000 05136 00001 00000 34660	MFSK-20/10Bd	(AB)
XPA2	2-9	0700	12152	Mon	08002 00001 00000 32260	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	0720	13552	Mon	08002 00001 00000 32260	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	0740	13952	Mon	08002 00001 00000 32260	MFSK-16/20Bd	(AB/HFD)
XPA2	2-9	0910	18206	Mon	00654 00054 40616... 03084 34220 14650	MFSK-16/20Bd	(AB)
XPA2	2-9	0930	16329	Mon	00654 00054 40616... 03084 34220 14650	MFSK-16/20Bd	(AB)
XPA2	2-9	0950	15824	Mon	00654 00054 40616... 03084 34220 14650	MFSK-16/20Bd	(AB)
XPA2	2-9	1500	14373	Mon	04830 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	2-9	1520	13373	Mon	04830 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	2-9	1540	11573	Mon	04830 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	3-9	0500	10221	Tue	04077 00001 00000 34663	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	0520	11121	Tue	04077 00001 00000 34663	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	0540	12221	Tue	04077 00001 00000 34663	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	1100	13431	Tue	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	1120	12131	Tue	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	1140	11431	Tue	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB/HFD)
XPA2	3-9	1600	13887	Tue	01870 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	3-9	1620	13387	Tue	01870 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	3-9	1640	11587	Tue	01870 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	4-9	0700	12152	Wed	06402 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	4-9	0720	13552	Wed	06402 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	4-9	0740	13952	Wed	06402 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	4-9	0910	18206	Wed	00654 00054 40616... 03084 34220 14650	MFSK-16/20Bd	(AB)
XPA2	4-9	0930	16329	Wed	00654 00054 40616... 03084 34220 14650	MFSK-16/20Bd	(AB)

XPA2	4-9	0950	15824	Wed	00654 00054 40616... 03084 34220 14650	MFSK-16/20Bd	(AB)
XPA2	4-9	1100	16117	Wed	09886 00001 00000 40271	MFSK-16/20Bd	(AB)
XPA2	4-9	1120	14917	Wed	09886 00001 00000 40271	MFSK-16/20Bd	(AB)
XPA2	4-9	1140	13517	Wed	09886 00001 00000 40271	MFSK-16/20Bd	(AB)
XPA2	4-9	1800	16351	Wed	00402 00169 78038 ... 65977 73043 06337	MFSK-16/20Bd	(AB/HFD)
XPA2	4-9	1820	14851	Wed	00402 00169 78038 ... 65977 73043 06337	MFSK-16/20Bd	(AB/HFD)
XPA2	4-9	1840	13951	Wed	00402 00169 78038 ... 65977 73043 06337	MFSK-16/20Bd	(AB/HFD)
XPA2	5-9	0500	10221	Thu	02890 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	5-9	0520	11121	Thu	02890 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	5-9	0540	12221	Thu	02890 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	5-9	0910	15859	Thu	00357 00052 11758 ... 92871 44863 54321	MFSK-16/20Bd	(AB)
XPA2	5-9	0930	14659	Thu	00357 00052 11758 ... 92871 44863 54321	MFSK-16/20Bd	(AB)
XPA2	5-9	0950	13459	Thu	00357 00052 11758 ... 92871 44863 54321	MFSK-16/20Bd	(AB)
XPA2	5-9	1100	16117	Thu	08972 00001 00000 36667	MFSK-16/20Bd	(AB)
XPA2	5-9	1120	14917	Thu	08972 00001 00000 36667	MFSK-16/20Bd	(AB)
XPA2	5-9	1140	13517	Thu	08972 00001 00000 36667	MFSK-16/20Bd	(AB)
XPA2	5-9	1600	13887	Thu	08049 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	5-9	1620	13387	Thu	08049 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	5-9	1640	11587	Thu	08049 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	6-9	1100	13431	Fri	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB)
XPA2	6-9	1120	12131	Fri	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB)
XPA2	6-9	1140	11431	Fri	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB)
XPA2	6-9	1800	16351	Fri	00402 00169 78038 ... 65977 73043 06337	MFSK-16/20Bd	(AB)
XPA2	6-9	1820	14851	Fri	00402 00169 78038 ... 65977 73043 06337	MFSK-16/20Bd	(AB)
XPA2	6-9	1840	13951	Fri	00402 00169 78038 ... 65977 73043 06337	MFSK-16/20Bd	(AB)
XPA2	7-9	0910	15859	Sat	00357 00052 11758 ... 92871 44863 54321	MFSK-16/20Bd	(AB)
XPA2	7-9	0930	14659	Sat	00357 00052 11758 ... 92871 44863 54321	MFSK-16/20Bd	(AB)
XPA2	7-9	0950	13459	Sat	00357 00052 11758 ... 92871 44863 54321	MFSK-16/20Bd	(AB)
XPA2	7-9	1500	14373	Sat	03329 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	7-9	1520	13373	Sat	03329 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	7-9	1540	11573	Sat	03329 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	9-9	0700	12152	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	9-9	0720	13552	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	9-9	0740	13952	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	9-9	0910	18206	Mon	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(AB)
XPA2	9-9	0930	16329	Mon	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(AB)
XPA2	9-9	0950	15824	Mon	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(AB)
XPA2	9-9	1500	14373	Mon	00664 00168 04200 ... 05473 81818 46007	MFSK-16/20Bd	(AB/HFD)
XPA2	9-9	1520	13373	Mon	00664 00168 04200 ... 05473 81818 46007	MFSK-16/20Bd	(AB/HFD)
XPA2	9-9	1540	11573	Mon	00664 00168 04200 ... 05473 81818 46007	MFSK-16/20Bd	(AB/HFD)
XPA2	10-9	0500	10221	Tue	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(AB)
XPA2	10-9	0520	11121	Tue	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(AB)

XPA2	10-9	0540	12221	Tue	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(AB)
XPA2	10-9	1100	13431	Tue	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB)
XPA2	10-9	1120	12131	Tue	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB)
XPA2	10-9	1140	11431	Tue	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(AB)
XPA2	10-9	1600	13887	Tue	02790 00230 43330 ... 63717 02668 61511	MFSK-16/20Bd	(AB)
XPA2	10-9	1620	13387	Tue	02790 00230 43330 ... 63717 02668 61511	MFSK-16/20Bd	(AB)
XPA2	10-9	1640	11587	Tue	02790 00230 43330 ... 63717 02668 61511	MFSK-16/20Bd	(AB)
XPA2	11-9	0700	12152	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	11-9	0720	13552	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	11-9	0740	13952	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	11-9	0910	18206	Wed	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(AB)
XPA2	11-9	0930	16329	Wed	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(AB)
XPA2	11-9	0950	15824	Wed	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(AB)
XPA2	11-9	1030	18208	Wed	Message	MFSK-16/20Bd	(PY)
XPA2	11-9	1040	17419	Wed	Message	MFSK-16/20Bd	(PY)
XPA2	11-9	1050	16329	Wed	Message	MFSK-16/20Bd	(PY)
XPA2	11-9	1100	16117	Wed	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB)
XPA2	11-9	1120	14917	Wed	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB)
XPA2	11-9	1140	13517	Wed	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB)
XPA2	11-9	1220	16341	Wed	00602 00227 48660 ... 06120 33649 53422	MFSK-16/20Bd	(Priyom)
XPA2	11-9	1300	20579	Wed	00268 00364 12778 ... 15013 0617 16740	MFSK-16/20Bd	(PY)
XPA2	11-9	1310	19604	Wed	00268 00364 12778 ... 15013 0617 16740	MFSK-16/20Bd	(PY)
XPA2	11-9	1320	19181	Wed	00268 00364 12778 ... 15013 0617 16740	MFSK-16/20Bd	(PY)
XPA2	11-9	1350	16347	Wed	00268 00364 12778 ... 15013 0617 16740	MFSK-16/20Bd	(PY)
XPA2	11-9	1510	19051	Wed	00673 00429 59269 ... 33056 06715 27532	MFSK-16/20Bd	(PY)
XPA2	11-9	1540	16292	Wed	00673 00429 59269 ... 33056 06715 27532	MFSK-16/20Bd	(Priyom)
XPA2	11-9	1800	16351	Wed	05465 00116 66036 ... 76259 26188 42437	MFSK-16/20Bd	(AB)
XPA2	11-9	1820	14851	Wed	05465 00116 66036 ... 76259 26188 42437	MFSK-16/20Bd	(AB)
XPA2	11-9	1840	13951	Wed	05465 00116 66036 ... 76259 26188 42437	MFSK-16/20Bd	(AB)
XPA2	12-9	0500	10221	Thu	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(AB)
XPA2	12-9	0520	11121	Thu	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(AB)
XPA2	12-9	0540	12221	Thu	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(AB)
XPA2	12-9	0550	17472	Thu	00420 00087 52127 ... 20723 03886 46577	MFSK-16/20Bd	(Priyom)
XPA2	12-9	0720	17434	Thu	00538 00434 76018 ... 77538 46279 71334	MFSK-16/20Bd	(Priyom)
XPA2	12-9	0910	15859	Thu	03957 00185 51800 ... 65996 27011 22453	MFSK-16/20Bd	(AB/HFD)
XPA2	12-9	0930	14659	Thu	03957 00185 51800 ... 65996 27011 22453	MFSK-16/20Bd	(AB/HFD)
XPA2	12-9	0950	13459	Thu	03957 00185 51800 ... 65996 27011 22453	MFSK-16/20Bd	(AB/HFD)
XPA2	12-9	1020	19298	Thu	00869 00342 08516 ... 18385 50824 40001	MFSK-16/20Bd	(AB)
XPA2	12-9	1030	18208	Thu	00869 00342 08516 ... 18385 50824 40001	MFSK-16/20Bd	(AB)
XPA2	12-9	1040	17419	Thu	00869 00342 08516 ... 18385 50824 40001	MFSK-16/20Bd	(AB)
XPA2	12-9	1100	16117	Thu	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB/HFD)
XPA2	12-9	1120	14917	Thu	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB/HFD)

XPA2	12-9	1140	13517	Thu	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB/HFD)
XPA2	12-9	1220	16341	Thu	Message	MFSK-16/20Bd	(Priyom)
XPA2	12-9	1310	19604	Thu	00775 00425 33133 ... 80772 50029 70031	MFSK-16/20Bd	(AB)
XPA2	12-9	1320	19181	Thu	00775 00425 33133 ... 80772 50029 70031	MFSK-16/20Bd	(AB)
XPA2	12-9	1340	17429	Thu	00775 00425 33133 ... 80772 50029 70031	MFSK-16/20Bd	(AB)
XPA2	12-9	1350	16347	Thu	00775 00425 33133 ... 80772 50029 70031	MFSK-16/20Bd	(Priyom)
XPA2	12-9	1550	15947	Thu	00650 00411 49354 ... 34683 52284 43541	MFSK-16/20Bd	(Priyom)
XPA2	12-9	1600	13887	Thu	02790 00230 43330 ... 63717 02668 61511	MFSK-16/20Bd	(AB)
XPA2	12-9	1620	13387	Thu	02790 00230 43330 ... 63717 02668 61511	MFSK-16/20Bd	(AB)
XPA2	12-9	1640	11587	Thu	02790 00230 43330 ... 63717 02668 61511	MFSK-16/20Bd	(AB)
XPA2	13-9	0550	17472	Fri	Message	MFSK-16/20Bd	(Priyom)
XPA2	13-9	0720	17434	Fri	Message	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1000	20536	Fri	00359 00379 91058 ... 49556 12302 54413	MFSK-16/20Bd	(PY)
XPA2	13-9	1010	19642	Fri	00359 00379 91058 ... 49556 12302 54413	MFSK-16/20Bd	(PY)
XPA2	13-9	1020	19298	Fri	00359 00379 91058 ... 49556 12302 54413	MFSK-16/20Bd	(PY)
XPA2	13-9	1030	18208	Fri	00359 00379 91058 ... 49556 12302 54413	MFSK-16/20Bd	(PY)
XPA2	13-9	1040	17419	Fri	00359 00379 91058 ... 49556 12302 54413	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1050	16329	Fri	00359 00379 91058 ... 49556 12302 54413	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1100	13431	Fri	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(PY/Deg)
XPA2	13-9	1120	12131	Fri	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(PY)
XPA2	13-9	1130	20561	Fri	00757 00423 70529 ... 75471 07573	MFSK-16/20Bd	(PY)
XPA2	13-9	1140	11431	Fri	02853 00111 39843 ... 26340 11510 52674	MFSK-16/20Bd	(Deg)
XPA2	13-9	1140	20294	Fri	00757 00423 70529 ... 75471 07573	MFSK-16/20Bd	(PY)
XPA2	13-9	1150	19548	Fri	00757 00423 70529 ... 75471 07573	MFSK-16/20Bd	(PY)
XPA2	13-9	1220	16341	Fri	00757 00423 70529 ... 75471 07573	MFSK-16/20Bd	(PY)
XPA2	13-9	1300	20579	Fri	00189 00360 31268 ... 84420 61288 23540	MFSK-16/20Bd	(PY)
XPA2	13-9	1310	19604	Fri	00189 00360 31268 ... 84420 61288 23540	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1320	19181	Fri	00189 00360 31268 ... 84420 61288 23540	MFSK-16/20Bd	(PY)
XPA2	13-9	1340	17427	Fri	00189 00360 31268 ... 84420 61288 23540	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1350	16347	Fri	00189 00360 31268 ... 84420 61288 23540	MFSK-16/20Bd	(PY)
XPA2	13-9	1500	19583	Fri	00619 00443 92009 ... 55034 05530 63022	MFSK-16/20Bd	(PY)
XPA2	13-9	1510	19051	Fri	00619 00443 92009 ... 55034 05530 63022	MFSK-16/20Bd	(PY)
XPA2	13-9	1520	18513	Fri	00619 00443 92009 ... 55034 05530 63022	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1530	17463	Fri	00619 00443 92009 ... 55034 05530 63022	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1540	16292	Fri	00619 00443 92009 ... 55034 05530 63022	MFSK-16/20Bd	(Priyom)
XPA2	13-9	1550	15947	Fri	00619 00443 92009 ... 55034 05530 63022	MFSK-16/20Bd	(PY)
XPA2	13-9	1800	16351	Fri	05465 00116 66036 ... 76259 26188 42437	MFSK-16/20Bd	(AB)
XPA2	13-9	1820	14851	Fri	05465 00116 66036 ... 76259 26188 42437	MFSK-16/20Bd	(AB)
XPA2	13-9	1840	13951	Fri	05465 00116 66036 ... 76259 26188 42437	MFSK-16/20Bd	(AB)
XPA2	14-9	0910	15859	Sat	03957 00185 51800 ... 65996 27011 22453	MFSK-16/20Bd	(PY)
XPA2	14-9	0930	14659	Sat	03957 00185 51800 ... 65996 27011 22453	MFSK-16/20Bd	(PY)
XPA2	14-9	0950	13459	Sat	03957 00185 51800 ... 65996 27011 22453	MFSK-16/20Bd	(PY)

XPA2	14-9	1010	19642	Sat	00480 00328 26317 ... 01312 02256 70555	MFSK-16/20Bd	(PY)
XPA2	14-9	1020	19298	Sat	00480 00328 26317 ... 01312 02256 70555	MFSK-16/20Bd	(Priyom)
XPA2	14-9	1030	18208	Sat	00480 00328 26317 ... 01312 02256 70555	MFSK-16/20Bd	(PY)
XPA2	14-9	1130	20561	Sat	00825 00414 39332 ... 97399 90042 47101	MFSK-16/20Bd	(PY)
XPA2	14-9	1140	20294	Sat	00825 00414 39332 ... 97399 90042 47101	MFSK-16/20Bd	(Priyom)
XPA2	14-9	1150	19548	Sat	00825 00414 39332 ... 97399 90042 47101	MFSK-16/20Bd	(Priyom)
XPA2	14-9	1200	18081	Sat	00825 00414 39332 ... 97399 90042 47101	MFSK-16/20Bd	(PY)
XPA2	14-9	1210	17473	Sat	00825 00414 39332 ... 97399 90042 47101	MFSK-16/20Bd	(PY)
XPA2	14-9	1220	16341	Sat	00825 00414 39332 ... 97399 90042 47101	MFSK-16/20Bd	(PY)
XPA2	14-9	1350	16347	Sat	Message	MFSK-16/20Bd	(Priyom)
XPA2	14-9	1520	18513	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	14-9	1530	17463	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	14-9	1540	16292	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	14-9	1550	15947	Sat	Message	MFSK-16/20Bd	(PY)
XPA2	15-9	1000	20536	Sun	Message	MFSK-16/20Bd	(PY)
XPA2	15-9	1010	19642	Sun	00562 00401 84778 ... 74084 42950 44660	MFSK-16/20Bd	(PY)
XPA2	15-9	1020	19298	Sun	00562 00401 84778 ... 74084 42950 44660	MFSK-16/20Bd	(Priyom)
XPA2	15-9	1030	18208	Sun	00562 00401 84778 ... 74084 42950 44660	MFSK-16/20Bd	(PY)
XPA2	15-9	1040	17419	Sun	00562 00401 84778 ... 74084 42950 44660	MFSK-16/20Bd	(PY)
XPA2	15-9	1210	17473	Sun	Message	MFSK-16/20Bd	(PY)
XPA2	15-9	1220	16341	Sun	Message	MFSK-16/20Bd	(Priyom)
XPA2	15-9	1320	19181	Sun	00547 00309 80803 ... 58041 41678 34066	MFSK-16/20Bd	(Priyom)
XPA2	15-9	1340	17427	Sun	00547 00309 80803 ... 58041 41678 34066	MFSK-16/20Bd	(Priyom)
XPA2	15-9	1500	19583	Sun	00961 00445 94417 ... 97774 92414 51217	MFSK-16/20Bd	(Priyom)
XPA2	15-9	1510	19051	Sun	00961 00445 94417 ... 97774 92414 51217	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0520	20144	Mon	00119 00388 77507 ... 09491 89733 65420	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0530	19657	Mon	00119 00388 77507 ... 09491 89733 65420	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0540	18759	Mon	00119 00388 77507 ... 09491 89733 65420	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0550	20144	Mon	00119 00388 77507 ... 09491 89733 65420	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0630	20529	Mon	00881 00436 67036 ... 67826 76123 57740	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0640	20251	Mon	00881 00436 67036 ... 67826 76123 57740	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0650	19647	Mon	00881 00436 67036 ... 67826 76123 57740	MFSK-16/20Bd	(Priyom)
XPA2	16-9	0700	12152	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	16-9	0720	13552	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	16-9	0740	13952	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	16-9	0910	18206	Mon	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(PY)
XPA2	16-9	0950	15824	Mon	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(PY)
XPA2	16-9	1010	19642	Mon	00758 00407 55597 ... 11737 33706 77001	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1130	20294	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1130	20561	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1140	20294	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1150	19548	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)

XPA2	16-9	1200	18081	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1210	17473	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1220	16341	Mon	00501 00395 36762 ... 22918 81944 04603	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1310	19604	Mon	00253 00351 44022 ... 91687 34572 52104	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1320	19181	Mon	00253 00351 44022 ... 91687 34572 52104	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1330	18023	Mon	00253 00351 44022 ... 91687 34572 52104	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1340	17427	Mon	00253 00351 44022 ... 91687 34572 52104	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1350	16347	Mon	00253 00351 44022 ... 91687 34572 52104	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1500	14373	Mon	06194 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	16-9	1500	19583	Mon	00912 00440 34103 ... 91732 13645 67027	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1510	19051	Mon	00912 00440 34103 ... 91732 13645 67027	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1520	13373	Mon	06194 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	16-9	1520	18513	Mon	00912 00440 34103 ... 91732 13645 67027	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1540	11573	Mon	06194 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	16-9	1540	16292	Mon	00912 00440 34103 ... 91732 13645 67027	MFSK-16/20Bd	(Priyom)
XPA2	16-9	1550	15947	Mon	00912 00440 34103 ... 91732 13645 67027	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0500	20974	Tue	00230 00364 80850 ... 06251 54930 53115	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0510	20551	Tue	00230 00364 80850 ... 06251 54930 53115	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0520	20144	Tue	00230 00364 80850 ... 06251 54930 53115	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0530	19657	Tue	00230 00364 80850 ... 06251 54930 53115	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0540	18759	Tue	00230 00364 80850 ... 06251 54930 53115	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0550	17472	Tue	00230 00364 80850 ... 06251 54930 53115	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0630	20529	Tue	Message	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0640	20251	Tue	Message	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0650	19647	Tue	Message	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0700	19121	Tue	Message	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0710	18234	Tue	Message	MFSK-16/20Bd	(Priyom)
XPA2	17-9	0720	17434	Tue	Message	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1000	20536	Tue	00422 00386 11197 ... 29674 93947 60135	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1010	19642	Tue	00422 00386 11197 ... 29674 93947 60135	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1020	19298	Tue	00422 00386 11197 ... 29674 93947 60135	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1030	18208	Tue	00422 00386 11197 ... 29674 93947 60135	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1040	17419	Tue	00422 00386 11197 ... 29674 93947 60135	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1050	16329	Tue	00422 00386 11197 ... 29674 93947 60135	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1100	13431	Tue	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(PY)
XPA2	17-9	1120	12131	Tue	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(PY)
XPA2	17-9	1130	20561	Tue	00264 00368 55944 ... 17409 20689 13012	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1140	20294	Tue	00264 00368 55944 ... 17409 20689 13012	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1140	11431	Tue	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(PY)
XPA2	17-9	1150	19548	Tue	00264 00368 55944 ... 17409 20689 13012	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1200	18081	Tue	00264 00368 55944 ... 17409 20689 13012	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1210	17473	Tue	00264 00368 55944 ... 17409 20689 13012	MFSK-16/20Bd	(Priyom)

XPA2	17-9	1300	20579	Tue	00504 00431 91094 ... 11808 24937 52300	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1310	19604	Tue	00504 00431 91094 ... 11808 24937 52300	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1500	19583	Tue	00186 00262 08677 ... 26028 08409 66250	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1510	19051	Tue	00186 00262 08677 ... 26028 08409 66250	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1520	18513	Tue	00186 00262 08677 ... 26028 08409 66250	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1530	17463	Tue	00186 00262 08677 ... 26028 08409 66250	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1540	16292	Tue	00186 00262 08677 ... 26028 08409 66250	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1550	15947	Tue	00186 00262 08677 ... 26028 08409 66250	MFSK-16/20Bd	(Priyom)
XPA2	17-9	1600	13887	Tue	02137 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	17-9	1620	13387	Tue	02137 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	17-9	1640	11587	Tue	02137 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	18-9	0500	20974	Wed	00761 00423 34233 ... 35046 97003 10360	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0510	20551	Wed	00761 00423 34233 ... 35046 97003 10360	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0530	19657	Wed	00761 00423 34233 ... 35046 97003 10360	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0540	18759	Wed	00761 00423 34233 ... 35046 97003 10360	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0550	17472	Wed	00761 00423 34233 ... 35046 97003 10360	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0630	20529	Wed	00340 00377 90023 ... 59365 18896 67206	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0640	20251	Wed	00340 00377 90023 ... 59365 18896 67206	MFSK-16/20Bd	(Priyom)
XPA2	18-9	0700	12152	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(PY)
XPA2	18-9	0720	13552	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(PY)
XPA2	18-9	0910	18206	Wed	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(PY)
XPA2	18-9	0950	15824	Wed	00227 00122 45234 ... 33849 31116 13351	MFSK-16/20Bd	(PY)
XPA2	18-9	1000	20536	Wed	00837 00332 53722 ... 27700 70636 75777	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1010	19642	Wed	00837 00332 53722 ... 27700 70636 75777	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1020	19298	Wed	00837 00332 53722 ... 27700 70636 75777	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1030	18208	Wed	00837 00332 53722 ... 27700 70636 75777	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1040	17419	Wed	00837 00332 53722 ... 27700 70636 75777	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1050	16329	Wed	00837 00332 53722 ... 27700 70636 75777	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1100	16117	Wed	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(PY)
XPA2	18-9	1120	14917	Wed	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(PY)
XPA2	18-9	1130	20561	Wed	00972 00266 00211 ... 05346 99013 07235	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1140	20294	Wed	00972 00266 00211 ... 05346 99013 07235	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1140	13517	Wed	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(PY)
XPA2	18-9	1150	19548	Wed	00972 00266 00211 ... 05346 99013 07235	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1200	18081	Wed	00972 00266 00211 ... 05346 99013 07235	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1210	17473	Wed	00972 00266 00211 ... 05346 99013 07235	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1220	16341	Wed	00972 00266 00211 ... 05346 99013 07235	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1300	20579	Wed	00190 00360 15290 ... 46180 85754 60101	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1310	19604	Wed	00190 00360 15290 ... 46180 85754 60101	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1320	19181	Wed	00190 00360 15290 ... 46180 85754 60101	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1330	18023	Wed	00190 00360 15290 ... 46180 85754 60101	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1340	17427	Wed	00190 00360 15290 ... 46180 85754 60101	MFSK-16/20Bd	(Priyom)

XPA2	18-9	1350	16347	Wed	00190 00360 15290 ... 46180 85754 60101	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1500	19583	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1500	19583	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(RWRV)
XPA2	18-9	1510	19051	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(Priyom)
XPA2	18-9	1510	19051	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(RWRV)
XPA2	18-9	1520	18513	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(RWRV)
XPA2	18-9	1530	17463	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(RWRV)
XPA2	18-9	1540	16292	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(RWRV)
XPA2	18-9	1550	15947	Wed	00704 00417 20807 ... 35828 82943 43233	MFSK-16/20Bd	(RWRV)
XPA2	18-9	1800	16351	Wed	04500 00371 48854 ... 21873 51128 54057	MFSK-16/20Bd	(AB)
XPA2	18-9	1820	14851	Wed	04500 00371 48854 ... 21873 51128 54057	MFSK-16/20Bd	(AB)
XPA2	18-9	1840	13951	Wed	04500 00371 48854 ... 21873 51128 54057	MFSK-16/20Bd	(AB)
XPA2	19-9	0550	17472	Thu	Message	MFSK-16/20Bd	(Priyom)
XPA2	19-9	0710	18234	Thu	Message	MFSK-16/20Bd	(Priyom)
XPA2	19-9	0910	15859	Thu	01831 00001 00000 35654	MFSK-16/20Bd	(AB)
XPA2	19-9	0930	14659	Thu	01831 00001 00000 35654	MFSK-16/20Bd	(AB)
XPA2	19-9	0950	13459	Thu	01831 00001 00000 35654	MFSK-16/20Bd	(AB)
XPA2	19-9	1000	20536	Thu	00572 00338 98530 ... 33050 80799 24154	MFSK-16/20Bd	(AB)
XPA2	19-9	1010	19642	Thu	00572 00338 98530 ... 33050 80799 24154	MFSK-16/20Bd	(AB)
XPA2	19-9	1020	19298	Thu	00572 00338 98530 ... 33050 80799 24154	MFSK-16/20Bd	(AB)
XPA2	19-9	1030	18208	Thu	00572 00338 98530 ... 33050 80799 24154	MFSK-16/20Bd	(AB)
XPA2	19-9	1040	17419	Thu	00572 00338 98530 ... 33050 80799 24154	MFSK-16/20Bd	(AB)
XPA2	19-9	1050	16329	Thu	00572 00338 98530 ... 33050 80799 24154	MFSK-16/20Bd	(AB)
XPA2	19-9	1100	16117	Thu	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB)
XPA2	19-9	1120	14917	Thu	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB)
XPA2	19-9	1130	20561	Thu	00743 00321 58977 ... 80298 93629 11045	MFSK-16/20Bd	(AB)
XPA2	19-9	1140	13517	Thu	00603 00083 57803 ... 56628 51506 60302	MFSK-16/20Bd	(AB)
XPA2	19-9	1140	20294	Thu	00743 00321 58977 ... 80298 93629 11045	MFSK-16/20Bd	(AB)
XPA2	19-9	1150	19548	Thu	00743 00321 58977 ... 80298 93629 11045	MFSK-16/20Bd	(AB)
XPA2	19-9	1200	18081	Thu	00743 00321 58977 ... 80298 93629 11045	MFSK-16/20Bd	(AB)
XPA2	19-9	1210	17473	Thu	00743 00321 58977 ... 80298 93629 11045	MFSK-16/20Bd	(AB)
XPA2	19-9	1220	16341	Thu	00743 00321 58977 ... 80298 93629 11045 (failed during callup)	MFSK-16/20Bd	(AB)
XPA2	19-9	1300	20579	Thu	00556 00384 52450 ... 36471 95958 56310	MFSK-16/20Bd	(AB)
XPA2	19-9	1310	19604	Thu	00556 00384 52450 ... 36471 95958 56310	MFSK-16/20Bd	(AB)
XPA2	19-9	1320	19181	Thu	00556 00384 52450 ... 36471 95958 56310	MFSK-16/20Bd	(AB)
XPA2	19-9	1330	18023	Thu	00556 00384 52450 ... 36471 95958 56310	MFSK-16/20Bd	(AB)
XPA2	19-9	1340	17427	Thu	00556 00384 52450 ... 36471 95958 56310	MFSK-16/20Bd	(AB)
XPA2	19-9	1350	16347	Thu	00556 00384 52450 ... 36471 95958 56310	MFSK-16/20Bd	(AB)
XPA2	19-9	1500	19583	Thu	00209 00398 80629 ... 47474 84039 31300	MFSK-16/20Bd	(AB)
XPA2	19-9	1510	19051	Thu	00209 00398 80629 ... 47474 84039 31300	MFSK-16/20Bd	(AB)
XPA2	19-9	1520	18513	Thu	00209 00398 80629 ... 47474 84039 31300	MFSK-16/20Bd	(AB)
XPA2	19-9	1530	17463	Thu	00209 00398 80629 ... 47474 84039 31300	MFSK-16/20Bd	(AB)

XPA2	19-9	1540	16292	Thu	00209 00398 80629 ... 47474 84039 31300	MFSK-16/20Bd	(AB)
XPA2	19-9	1550	15947	Thu	00209 00398 80629 ... 47474 84039 31300	MFSK-16/20Bd	(AB)
XPA2	19-9	1600	13887	Thu	09121 00001 00000 32263	MFSK-16/20Bd	(AB/HFD)
XPA2	19-9	1620	13387	Thu	09121 00001 00000 32263	MFSK-16/20Bd	(AB/HFD)
XPA2	19-9	1640	11587	Thu	09121 00001 00000 32263	MFSK-16/20Bd	(AB/HFD)
XPA2	20-9	0500	20974	Fri	00176 00378 36147 ... 87179 34165 63221	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0510	20551	Fri	00176 00378 36147 ... 87179 34165 63221	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0520	20144	Fri	00176 00378 36147 ... 87179 34165 63221	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0530	19657	Fri	00176 00378 36147 ... 87179 34165 63221	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0540	18759	Fri	00176 00378 36147 ... 87179 34165 63221	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0550	17472	Fri	00176 00378 36147 ... 87179 34165 63221	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0630	20529	Fri	00740 00421 33803 ... 50965 48639 56741	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0640	20251	Fri	00740 00421 33803 ... 50965 48639 56741	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0650	19647	Fri	00740 00421 33803 ... 50965 48639 56741	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0700	19121	Fri	00740 00421 33803 ... 50965 48639 56741	MFSK-16/20Bd	(Priyom)
XPA2	20-9	0710	18234	Fri	00740 00421 33803 ... 50965 48639 56741	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1000	20536	Fri	00145 00338 74784 ... 46081 58184 42361	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1010	19642	Fri	00145 00338 74784 ... 46081 58184 42361	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1020	19298	Fri	msg	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1020	19298	Fri	00145 00338 74784 ... 46081 58184 42361	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1030	18208	Fri	00145 00338 74784 ... 46081 58184 42361	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1040	17419	Fri	00145 00338 74784 ... 46081 58184 42361	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1050	16329	Fri	00145 00338 74784 ... 46081 58184 42361	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1100	13431	Fri	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(PY)
XPA2	20-9	1120	12131	Fri	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(PY)
XPA2	20-9	1150	19548	Fri	00864 00435 72437 ... 20982 36876 13402	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1210	17473	Fri	00864 00435 72437 ... 20982 36876 13402	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1300	20579	Fri	00407 00321 67530 ... 35588 37806 31626	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1310	19604	Fri	00407 00321 67530 ... 35588 37806 31626	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1320	19181	Fri	00407 00321 67530 ... 35588 37806 31626	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1330	18023	Fri	00407 00321 67530 ... 35588 37806 31626	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1340	17427	Fri	00407 00321 67530 ... 35588 37806 31626	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1350	16347	Fri	00407 00321 67530 ... 35588 37806 31626	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1500	19583	Fri	00808 00428 20955 ... 20702 44577 44672	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1510	19051	Fri	00808 00428 20955 ... 20702 44577 44672	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1520	18513	Fri	00808 00428 20955 ... 20702 44577 44672	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1530	17463	Fri	00808 00428 20955 ... 20702 44577 44672	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1550	15947	Fri	00808 00428 20955 ... 20702 44577 44672	MFSK-16/20Bd	(Priyom)
XPA2	20-9	1800	16351	Fri	04500 00371 48854 ... 21873 51128 54057	MFSK-16/20Bd	(AB)
XPA2	20-9	1820	14851	Fri	04500 00371 48854 ... 21873 51128 54057	MFSK-16/20Bd	(AB)
XPA2	20-9	1840	13951	Fri	04500 00371 48854 ... 21873 51128 54057	MFSK-16/20Bd	(AB)
XPA2	21-9	0910	15859	Sat	04090 00000 00000 31165	MFSK-16/20Bd	(TM)

XPA2	21-9	0930	14659	Sat	04090 00000 00000 31165	MFSK-16/20Bd	(TM)
XPA2	21-9	0950	13459	Sat	04090 00000 00000 31165	MFSK-16/20Bd	(TM)
XPA2	21-9	1020	19298	Sat	00986 00448 79163 ... 94774 97631 12531	MFSK-16/20Bd	(Priyom)
XPA2	21-9	1050	16329	Sat	00986 00448 79163 ... 94774 97631 12531	MFSK-16/20Bd	(Priyom)
XPA2	21-9	1140	20294	Sat	00494 00394 23373 ... 45572 85969 61713	MFSK-16/20Bd	(Priyom)
XPA2	21-9	1150	19548	Sat	00494 00394 23373 ... 45572 85969 61713	MFSK-16/20Bd	(Priyom)
XPA2	21-9	1300	20579	Sat	00741 00421 75426 ... 58758 91305 31421	MFSK-16/20Bd	(AB)
XPA2	21-9	1310	19604	Sat	00741 00421 75426 ... 58758 91305 31421	MFSK-16/20Bd	(AB)
XPA2	21-9	1320	19181	Sat	00741 00421 75426 ... 58758 91305 31421	MFSK-16/20Bd	(AB)
XPA2	21-9	1330	18023	Sat	00741 00421 75426 ... 58758 91305 31421	MFSK-16/20Bd	(AB)
XPA2	21-9	1340	17427	Sat	00741 00421 75426 ... 58758 91305 31421	MFSK-16/20Bd	(AB)
XPA2	21-9	1350	16347	Sat	00741 00421 75426 ... 58758 91305 31421	MFSK-16/20Bd	(AB)
XPA2	21-9	1500	14373	Sat	04462 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	21-9	1500	19583	Sat	00904 00439 13237 ... 71384 92466 70367	MFSK-16/20Bd	(AB/RL)
XPA2	21-9	1510	19051	Sat	00904 00439 13237 ... 71384 92466 70367	MFSK-16/20Bd	(AB)
XPA2	21-9	1520	13373	Sat	04462 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	21-9	1520	18513	Sat	00904 00439 13237 ... 71384 92466 70367	MFSK-16/20Bd	(AB/RL)
XPA2	21-9	1530	17463	Sat	00904 00439 13237 ... 71384 92466 70367	MFSK-16/20Bd	(AB)
XPA2	21-9	1540	11573	Sat	04462 00001 00000 34262	MFSK-16/20Bd	(AB)
XPA2	21-9	1540	16292	Sat	00904 00439 13237 ... 71384 92466 70367	MFSK-16/20Bd	(AB)
XPA2	21-9	1550	15947	Sat	00904 00439 13237 ... 71384 92466 70367	MFSK-16/20Bd	(AB)
XPA2	22-9	1000	20536	Sun	00671 00413 73709 ... 58969 37232 16667	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1010	19642	Sun	00671 00413 73709 ... 58969 37232 16667	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1020	19298	Sun	00671 00413 73709 ... 58969 37232 16667	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1130	20561	Sun	00728 00420 90307 ... 77188 76195 52065	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1140	20294	Sun	00728 00420 90307 ... 77188 76195 52065	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1150	19548	Sun	00728 00420 90307 ... 77188 76195 52065	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1200	18081	Sun	00728 00420 90307 ... 77188 76195 52065	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1210	17473	Sun	00728 00420 90307 ... 77188 76195 52065	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1220	16341	Sun	00728 00420 90307 ... 77188 76195 52065	MFSK-16/20Bd	(Priyom)
XPA2	22-9	1300	20579	Sun	00322 00358 81310 ... 94445 67611 72575	MFSK-16/20Bd	(AB)
XPA2	22-9	1310	19604	Sun	00322 00358 81310 ... 94445 67611 72575	MFSK-16/20Bd	(AB)
XPA2	22-9	1320	19181	Sun	00322 00358 81310 ... 94445 67611 72575	MFSK-16/20Bd	(AB)
XPA2	22-9	1330	18023	Sun	00322 00358 81310 ... 94445 67611 72575	MFSK-16/20Bd	(AB)
XPA2	22-9	1340	17427	Sun	00322 00358 81310 ... 94445 67611 72575	MFSK-16/20Bd	(AB)
XPA2	22-9	1350	16347	Sun	00322 00358 81310 ... 94445 67611 72575	MFSK-16/20Bd	(AB)
XPA2	22-9	1500	19583	Sun	00975 00402 46154 ... 91588 94089 35662	MFSK-16/20Bd	(AB)
XPA2	22-9	1510	19051	Sun	00975 00402 46154 ... 91588 94089 35662	MFSK-16/20Bd	(AB)
XPA2	22-9	1520	18513	Sun	00975 00402 46154 ... 91588 94089 35662	MFSK-16/20Bd	(AB)
XPA2	22-9	1530	17463	Sun	00975 00402 46154 ... 91588 94089 35662	MFSK-16/20Bd	(AB)
XPA2	22-9	1540	16292	Sun	00975 00402 46154 ... 91588 94089 35662	MFSK-16/20Bd	(AB)
XPA2	22-9	1550	15947	Sun	00975 00402 46154 ... 91588 94089 35662	MFSK-16/20Bd	(AB)

XPA2	23-9	0700	12152	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	23-9	0720	13552	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	23-9	0740	13952	Mon	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	23-9	0910	18206	Mon	06203 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	23-9	0930	16329	Mon	06203 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	23-9	0950	15824	Mon	06203 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	23-9	1500	14373	Mon	00563 00189 95912 ... 87369 45036 54321	MFSK-16/20Bd	(AB)
XPA2	23-9	1520	13373	Mon	00563 00189 95912 ... 87369 45036 54321	MFSK-16/20Bd	(AB)
XPA2	23-9	1540	11573	Mon	00563 00189 95912 ... 87369 45036 54321	MFSK-16/20Bd	(AB)
XPA2	24-9	1100	13431	Tue	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(AB)
XPA2	24-9	1120	12131	Tue	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(AB)
XPA2	24-9	1140	11431	Tue	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(AB)
XPA2	24-9	1600	13887	Tue	00120 00197 87447 ... 71153 93462 44522	MFSK-16/20Bd	(AB)
XPA2	24-9	1620	13387	Tue	00120 00197 87447 ... 71153 93462 44522	MFSK-16/20Bd	(AB)
XPA2	24-9	1640	11587	Tue	00120 00197 87447 ... 71153 93462 44522	MFSK-16/20Bd	(AB)
XPA2	25-9	0700	12152	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	25-9	0720	13552	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	25-9	0740	13952	Wed	08758 00117 16814 ... 07083 67688 55454	MFSK-16/20Bd	(AB)
XPA2	25-9	0910	18206	Wed	07132 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	25-9	0930	16329	Wed	07132 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	25-9	0950	15824	Wed	07132 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	25-9	1100	16117	Wed	01160 00001 00000 31657	MFSK-16/20Bd	(AB)
XPA2	25-9	1120	14917	Wed	01160 00001 00000 31657	MFSK-16/20Bd	(AB)
XPA2	25-9	1140	13517	Wed	01160 00001 00000 31657	MFSK-16/20Bd	(AB)
XPA2	25-9	1800	16351	Wed	02848 00294 80062 ... 10871 14245 53213	MFSK-16/20Bd	(AB)
XPA2	25-9	1820	14851	Wed	02848 00294 80062 ... 10871 14245 53213	MFSK-16/20Bd	(AB)
XPA2	25-9	1840	13951	Wed	02848 00294 80062 ... 10871 14245 53213	MFSK-16/20Bd	(AB)
XPA2	26-9	0910	15859	Thu	00633 00193 49935 ... 63118 09401 34106	MFSK-16/20Bd	(AB)
XPA2	26-9	0930	14659	Thu	00633 00193 49935 ... 63118 09401 34106	MFSK-16/20Bd	(AB)
XPA2	26-9	0950	13459	Thu	00633 00193 49935 ... 63118 09401 34106	MFSK-16/20Bd	(AB)
XPA2	26-9	1100	16117	Thu	07755 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	26-9	1120	14917	Thu	07755 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	26-9	1140	13517	Thu	07755 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	27-9	1100	13431	Fri	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(AB)
XPA2	27-9	1120	12131	Fri	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(AB)
XPA2	27-9	1140	11431	Fri	00123 00191 41142 ... 51636 16333 10403	MFSK-16/20Bd	(AB)
XPA2	28-9	0910	15859	Sat	00633 00193 49935 ... 63118 09401 34106	MFSK-16/20Bd	(AB)
XPA2	28-9	0930	14659	Sat	00633 00193 49935 ... 63118 09401 34106	MFSK-16/20Bd	(AB)
XPA2	28-9	0950	13459	Sat	00633 00193 49935 ... 63118 09401 34106	MFSK-16/20Bd	(AB)
XPA2	28-9	1500	14373	Sat	00563 00189 95912 ... 87369 45036 54321	MFSK-16/20Bd	(AB)
XPA2	28-9	1520	13373	Sat	00563 00189 95912 ... 87369 45036 54321	MFSK-16/20Bd	(AB)
XPA2	28-9	1540	11573	Sat	00563 00189 95912 ... 87369 45036 54321	MFSK-16/20Bd	(AB)

XPA2	30-9	0700	12152	Mon	02012 00001 00000 32253	MFSK-16/20Bd	(AB)
XPA2	30-9	0720	13552	Mon	02012 00001 00000 32253	MFSK-16/20Bd	(AB)
XPA2	30-9	0740	13952	Mon	02012 00001 00000 32253	MFSK-16/20Bd	(AB)
XPA2	30-9	0910	18206	Mon	00523 00192 01722 ... 60078 94229 77074	MFSK-16/20Bd	(AB)
XPA2	30-9	0930	16329	Mon	00523 00192 01722 ... 60078 94229 77074	MFSK-16/20Bd	(AB)
XPA2	30-9	0950	15824	Mon	00523 00192 01722 ... 60078 94229 77074	MFSK-16/20Bd	(AB)
XPA2	30-9	1500	14373	Mon	01927 00001 00000 41253	MFSK-16/20Bd	(AB)
XPA2	30-9	1520	13373	Mon	01927 00001 00000 41253	MFSK-16/20Bd	(AB)
XPA2	30-9	1540	11573	Mon	01927 00001 00000 41253	MFSK-16/20Bd	(AB)
XPB	13-9	1300	20017	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	13-9	1310	19317	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	13-9	1320	18037	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	14-9	1100	13521	Sat	Russian intel.	MFSK-16	(Priyom)
XPB	14-9	1120	12221	Sat	Russian intel.	MFSK-16	(Priyom)
XPB	14-9	1130	11521	Sat	Russian intel.	MFSK-16	(Priyom)
XPB	14-9	1140	11021	Sat	Russian intel.	MFSK-16	(Priyom)
XPB	16-9	0500	19668	Mon	Russian intel.	MFSK-16	(Priyom)
XPB	16-9	0530	17468	Mon	Russian intel.	MFSK-16	(Priyom)
XPB	16-9	0540	16268	Mon	Russian intel.	MFSK-16	(Priyom)
XPB	17-9	0500	19668	Tue	Russian intel.	MFSK-16	(Priyom)
XPB	17-9	0510	19268	Tue	Russian intel.	MFSK-16	(Priyom)
XPB	17-9	0520	18268	Tue	Russian intel.	MFSK-16	(Priyom)
XPB	17-9	0550	15868	Tue	Russian intel.	MFSK-16	(Priyom)
XPB	17-9	1300	20017	Tue	Russian intel.	MFSK-16	(Priyom)
XPB	17-9	1310	19317	Tue	Russian intel.	MFSK-16	(Priyom)
XPB	18-9	1100	13521	Wed	Russian intel.	MFSK-16	(Priyom)
XPB	18-9	1110	13421	Wed	Russian intel.	MFSK-16	(Priyom)
XPB	18-9	1120	12221	Wed	Russian intel.	MFSK-16	(Priyom)
XPB	18-9	1130	11521	Wed	Russian intel.	MFSK-16	(Priyom)
XPB	18-9	1140	11021	Wed	Russian intel.	MFSK-16	(Priyom)
XPB	18-9	1150	10521	Wed	Russian intel.	MFSK-16	(Priyom)
XPB	20-9	1310	19317	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	20-9	1320	18037	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	20-9	1340	16217	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	20-9	1350	15817	Fri	Russian intel.	MFSK-16	(Priyom)
XPB	21-9	1100	13521	Sat	Russian intel.	MFSK-16	(Priyom)
XPB	21-9	1140	11021	Sat	Russian intel.	MFSK-16	(Priyom)
XPB	21-9	1150	10521	Sat	Russian intel.	MFSK-16	(Priyom)
XPB1	2-9	0500	19668	Mon	Russian intel.	MFSK-16	(PY)
XPB1	2-9	0510	19268	Mon	Russian intel.	MFSK-16	(PY)
XPB1	2-9	0520	18268	Mon	Russian intel.	MFSK-16	(PY)
XPB1	2-9	0530	17468	Mon	Russian intel.	MFSK-16	(PY)

XPB1	2-9	0540	16268	Mon	Russian intel.	MFSK-16	(PY)
XPB1	2-9	0550	15868	Mon	Russian intel.	MFSK-16	(PY)
XPB1	3-9	0500	19668	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-9	0510	19268	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-9	0520	18268	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-9	0530	17468	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-9	0540	16268	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-9	0550	15868	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-9	1300	20017	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-9	1310	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-9	1320	18037	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-9	1330	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-9	1340	16217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-9	1350	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1100	13521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1110	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1120	11521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1120	12221	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1140	11021	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-9	1150	10521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1300	20017	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1310	19317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1320	18037	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1330	17417	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1340	16217	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1350	15817	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-9	1100	13521	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-9	1110	13421	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-9	1120	11521	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-9	1120	12221	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-9	1140	11021	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-9	1150	10521	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-9	0500	19668	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-9	0510	19268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-9	0520	18268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-9	0530	17468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-9	0540	16268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-9	0550	15868	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-9	0500	19668	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	0510	19268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	0520	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	0530	17468	Tue	Russian intel.	MFSK-16	(AB)

XPB1	10-9	0540	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	0550	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	1300	20017	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	1310	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	1320	18037	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	1330	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	1340	16217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-9	1350	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1100	13521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1110	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1120	11521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1120	12221	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1140	11021	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1150	10521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-9	0500	19668	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-9	0510	19268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-9	0520	18268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-9	0530	17468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-9	0540	16268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-9	0550	15868	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-9	0500	19668	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-9	0510	19268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-9	0520	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-9	0530	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-9	0540	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-9	0550	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-9	0500	19668	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-9	0510	19268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-9	0520	18268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-9	0530	17468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-9	0540	16268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-9	0550	15868	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-9	1300	20017	Mon	Russian intel.	MFSK-16	(HFD)
XPB1	23-9	1310	19317	Mon	Russian intel.	MFSK-16	(HFD)
XPB1	23-9	1320	18037	Mon	Russian intel.	MFSK-16	(HFD)
XPB1	23-9	1330	17417	Mon	Russian intel.	MFSK-16	(HFD)
XPB1	23-9	1340	16217	Mon	Russian intel.	MFSK-16	(HFD)
XPB1	23-9	1350	15817	Mon	Russian intel.	MFSK-16	(HFD)
XPB1	24-9	0500	19668	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	0510	19268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	0520	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	0530	17468	Tue	Russian intel.	MFSK-16	(AB)

XPB1	24-9	0540	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	0550	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	1300	20017	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	1310	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	1320	18037	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	1330	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	1340	16217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-9	1350	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1100	13521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1110	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1120	11521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1120	12221	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1140	11021	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1150	10521	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1300	20017	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1310	19317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1320	18037	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1330	17417	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1340	16217	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1350	15817	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1100	13521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1110	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1120	11521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1120	12221	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1140	11021	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1150	10521	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-9	0500	19668	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-9	0510	19268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-9	0520	18268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-9	0530	17468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-9	0540	16268	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-9	0550	15868	Mon	Russian intel.	MFSK-16	(AB)

APPENDIX

Designators of active stations

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russian	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V07F	French	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, F01, F06, F06a
M14d	Morse	Russia	E06, S06, M14, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM05	Morse	France	Morse training. 24/7 operation
UM06	Morse	France?	Various formats. Often 5-letter strings separated by a 5-digit group
UM10	Morse	?	ID repeated for 10 minutes on two parallel frequencies. Messages are rare

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, S06, M14, F01, F06, F06a
F02	FTM-4 (FSK-4/150Bd/4000Hz)	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, S06, M14, F01, F06, F06a
F06a	FSK	Russia	E06, S06, M14, F01, F06, F06a
F07	5 x 16-tone MFSK, 10 Bd, 20 Hz + BPSK, 250 Bd	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8-tone OFDM, QSPK, 62.5 Bd, 125 Hz + BPSK, 250 Bd bursts	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK 75/3000 LSB or 4+4 QPSK 75/1000 LSB	China	M95, Q26, V26
X06	MFSK-6	Russia	Several variants X06a, X06b, X06c, X06d
XPA1	MFSK-20	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1

Figures and words used by the various numbers stations

Cut numbers

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itzien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	. . — — —	Hai	To	Dwojka	Twso	Two
3	. . . — —	Ba	Fwee	Trojka	Drei	Three
4	 —	Bô'n	Fo	Cienciorka	Vier	Four
5		Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — . . .	Ba y	Seven	Siem	Sieben	Seven
8	— — — . .	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[+]	. - . - .
O	- - -	Á	. - - - -	Invitation to transmit		- . -
P	. - - .	CH	- - - -	Wait	[AS]	. - . . .
Q	- - - .	É	. . - . .	End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ö	- - - .	End of message	[AR]	. - . - .
S	. . .	Ü	. . - -	Starting signal		- . . - .
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

FSK transmissions

F03a	FSK-2 100Bd/200Hz cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03g	BPSK 50Bd/1000Hz/464 bits
F03h	BPSK 100Bd/1000Hz/512 bits
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

Notes:

- Bit Period is the time needed to transmit one bit
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

COLOPHON

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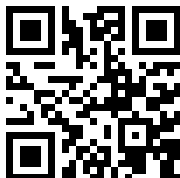
NUMBERS STATIONS SCHEDULES <http://priyom.org/number-stations/station-schedule>

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To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

976 27364 92886 89428 61288 14982 36498 32764 81276 81
986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 498
67 68768 68763 34234 34238 68768 62342 48273 48768 230
936 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
983 98798 98754 98754 98754 98754 29867 67543 67986 86
976 87698 69876 87698 69876 87612 12341 34867 86798 652
867 43298 65656 56756 56123 32143 14321 32143 14321 321
867 43287 58765 76587 58765 76587 58765 76587 58756 765
86743 76587 76587 76587 76587 76587 76587 76587 76587 76587

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